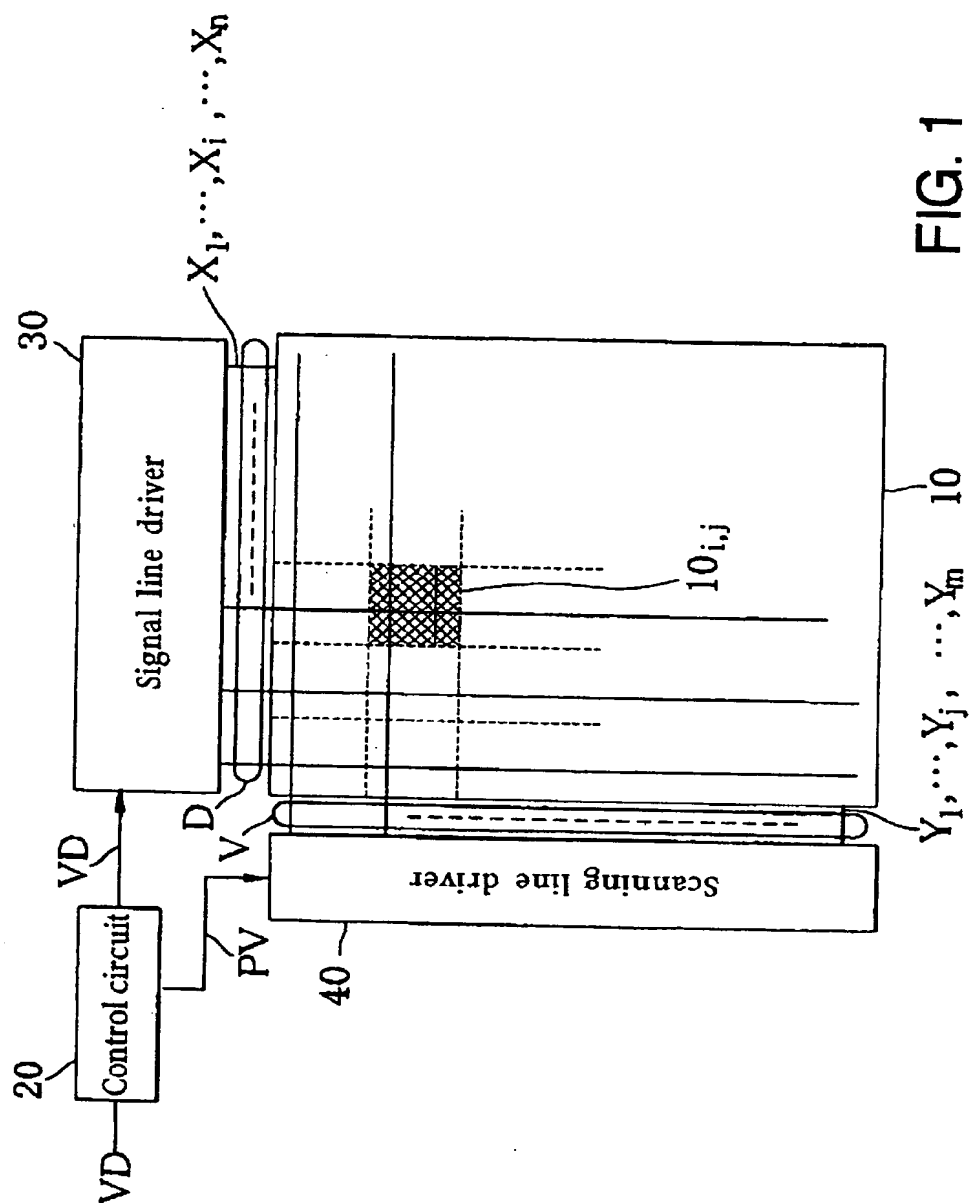


10/506371



BEST AVAILABLE COPY

10/506371

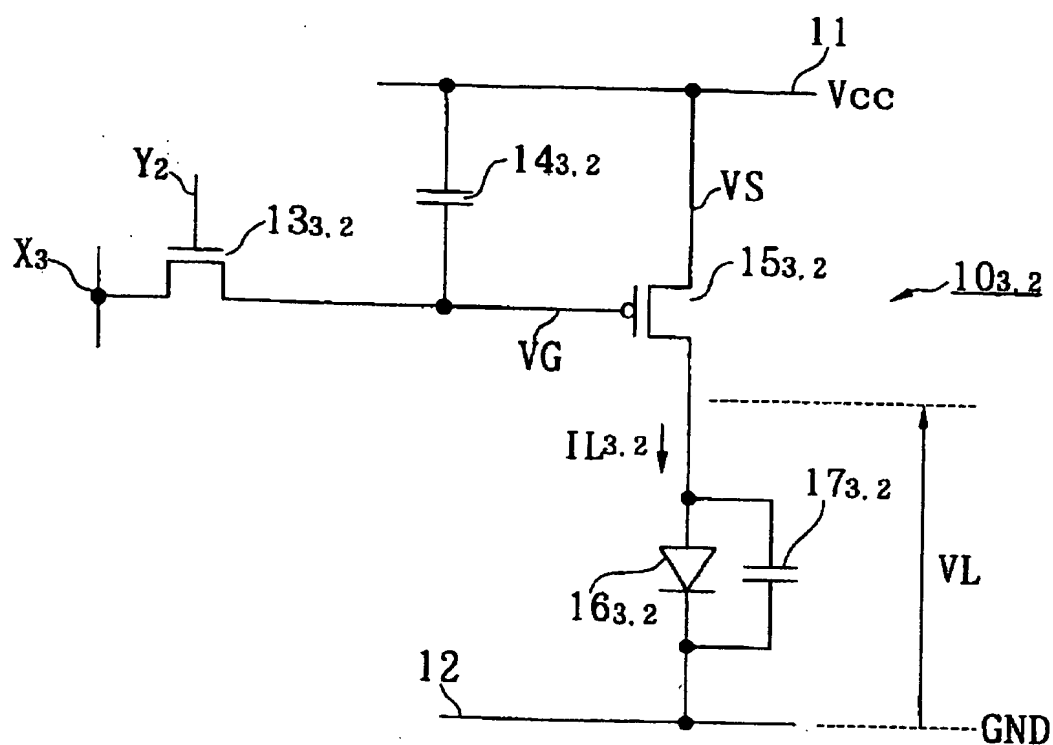


FIG. 2

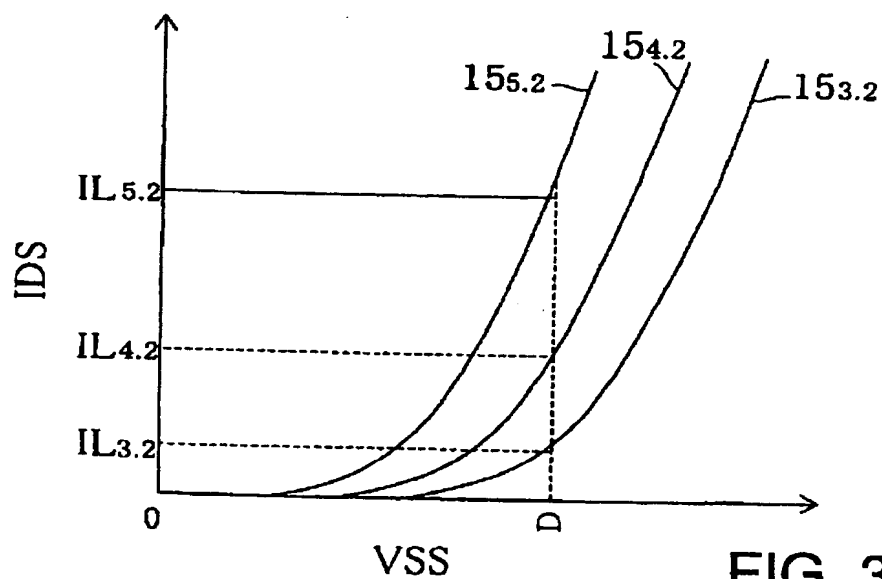


FIG. 3

FIG. 1 is a circuit diagram of a semiconductor device. The circuit is connected between a top terminal 21 and a bottom terminal 22. The circuit includes a series of transistors and capacitors. A first transistor 23 is connected to terminal 21. Its gate is connected to a node 24A, which is also connected to a second transistor 25. The gate of transistor 25 is connected to a node 25, which is also connected to a third transistor 26. The gate of transistor 26 is connected to a node 26, which is also connected to a fourth transistor 27. The gate of transistor 27 is connected to a node 27, which is also connected to a fifth transistor 28. The gate of transistor 28 is connected to a node 28, which is also connected to a sixth transistor 29. The gate of transistor 29 is connected to a node 29, which is also connected to a seventh transistor 30. The gate of transistor 30 is connected to a node 30, which is also connected to an eighth transistor 31. The gate of transistor 31 is connected to a node 31, which is also connected to a ninth transistor 32. The gate of transistor 32 is connected to a node 32, which is also connected to a tenth transistor 33. The gate of transistor 33 is connected to a node 33, which is also connected to a capacitor 34. The other end of the capacitor 34 is connected to terminal 22. The circuit also includes a voltage source VG connected to the gates of transistors 25 and 26, and a voltage source VD connected to the gates of transistors 26 and 27. A capacitor 28 is connected between the gates of transistors 27 and 28.

FIG. 4

10/506371

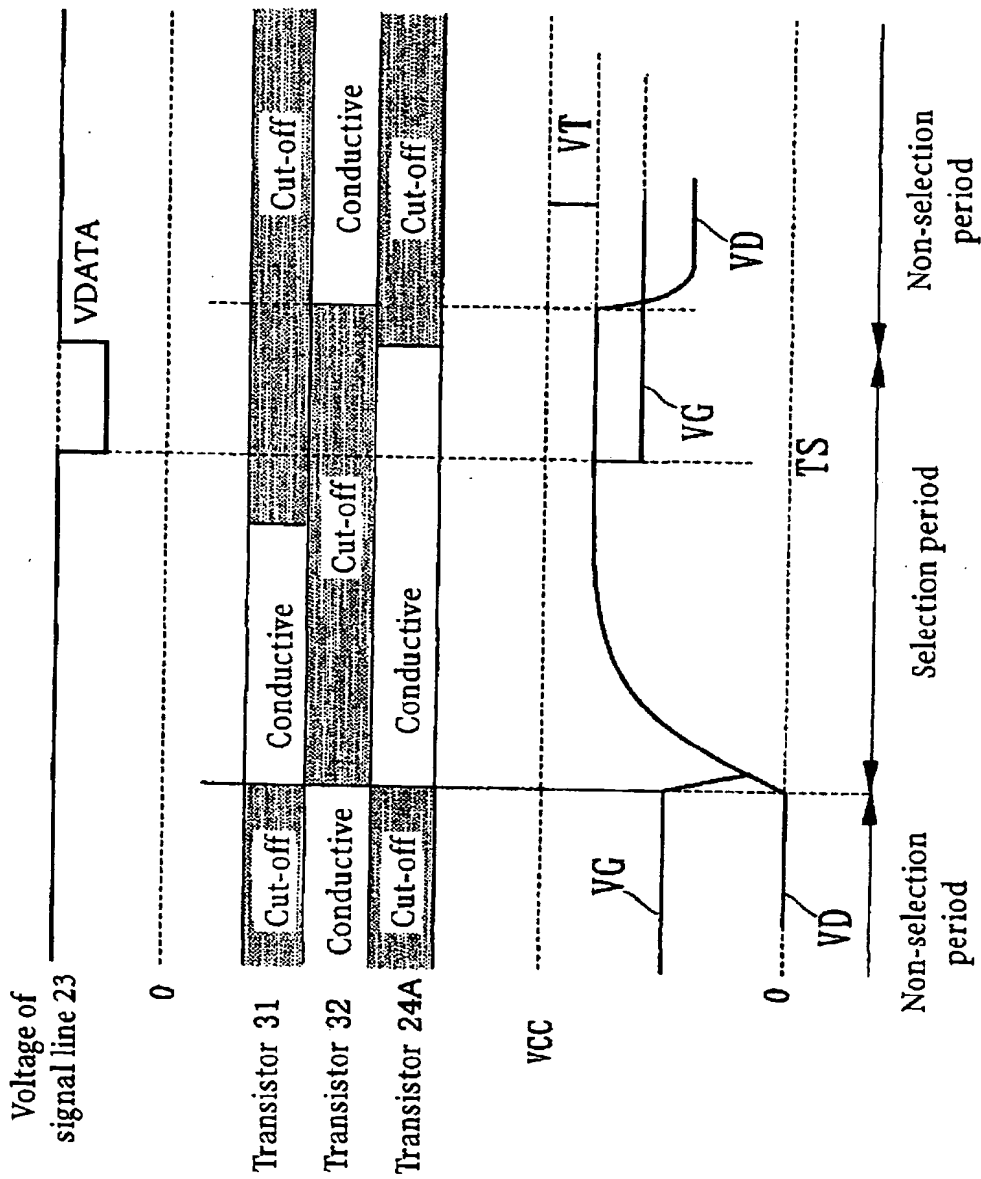


FIG. 5

10/506371

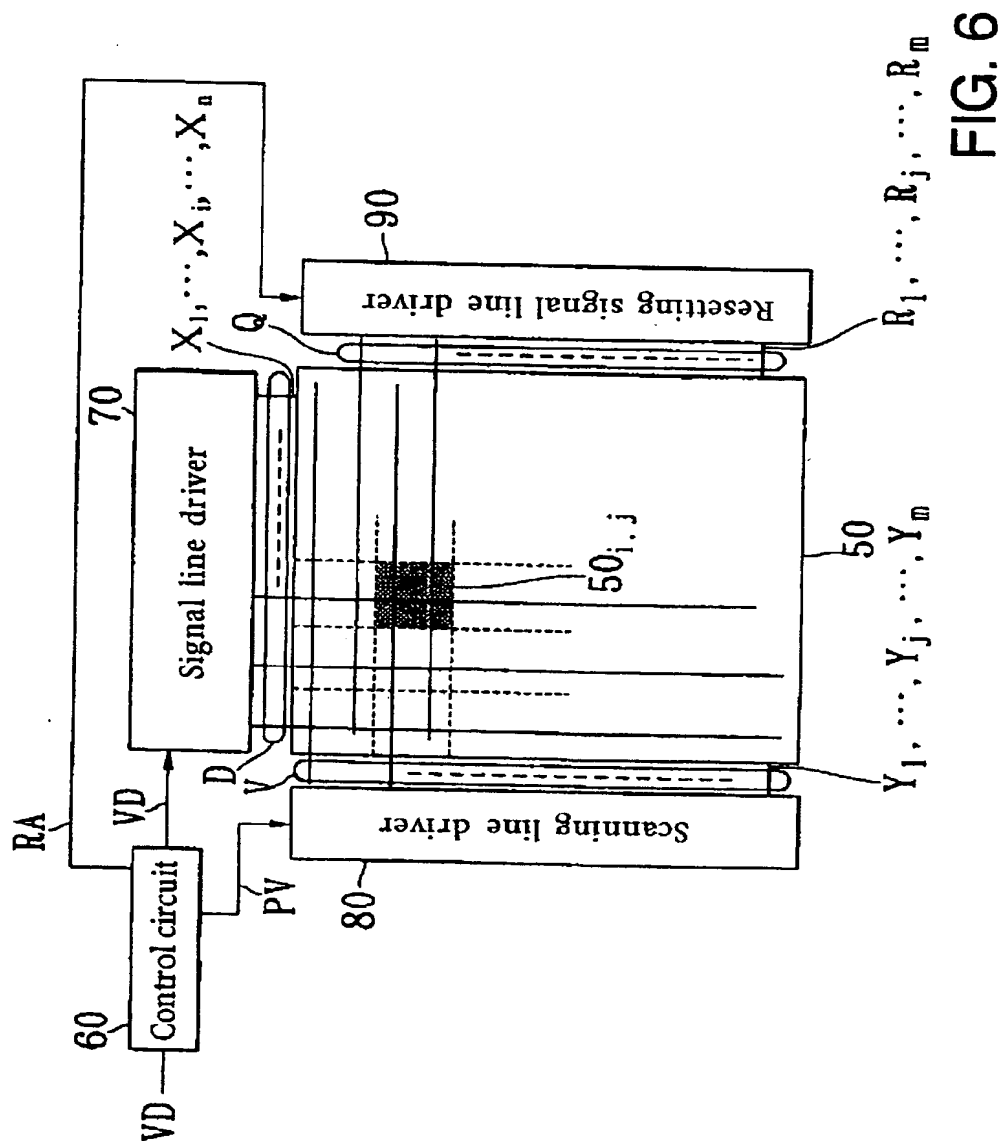
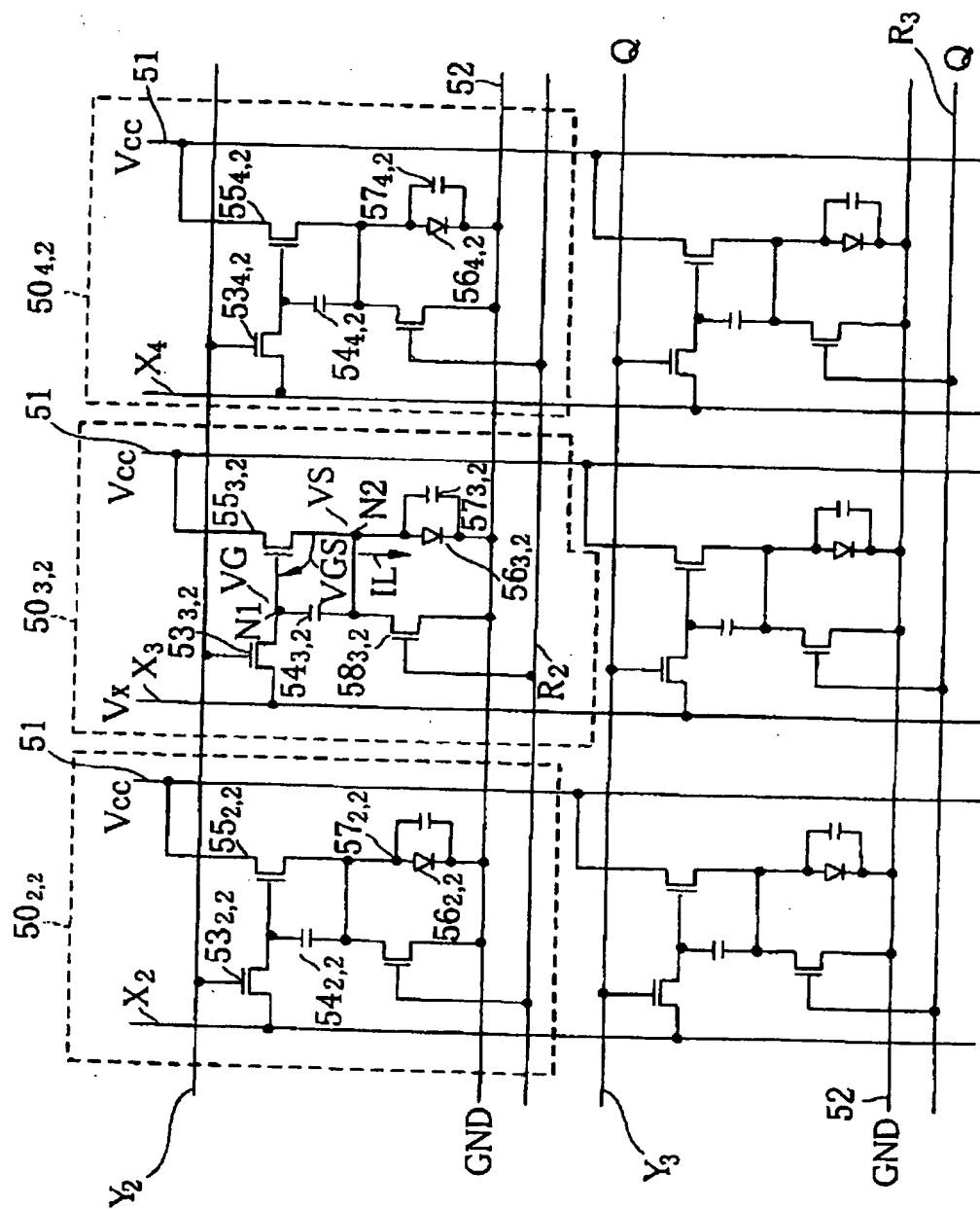


FIG. 6

FIG. 7



10/506371

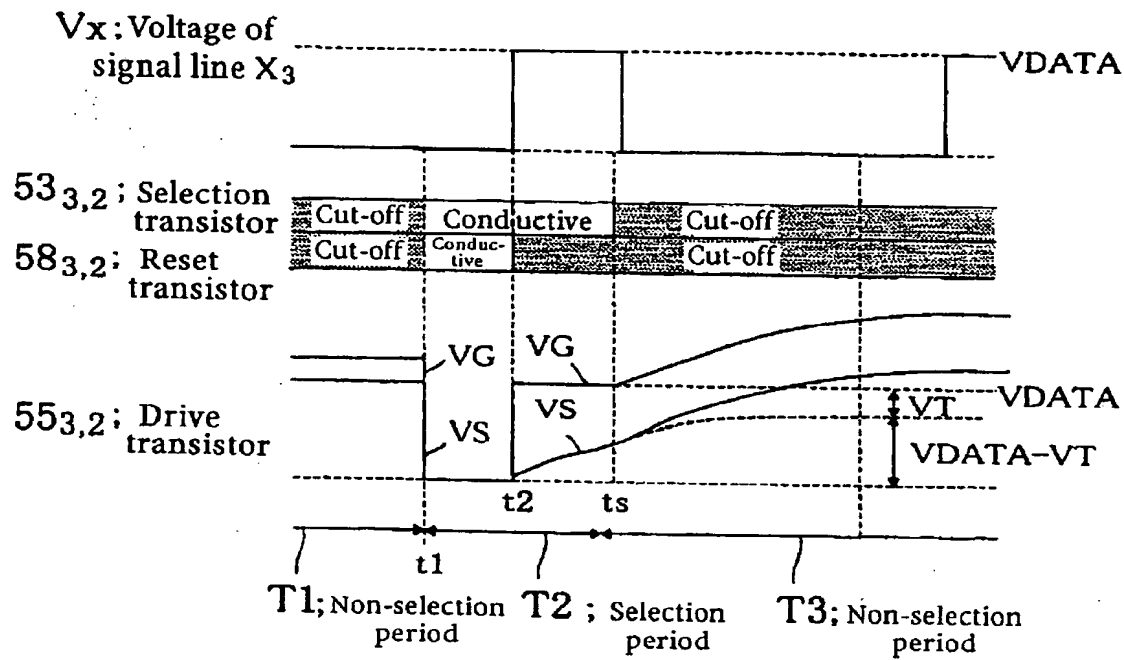


FIG. 8

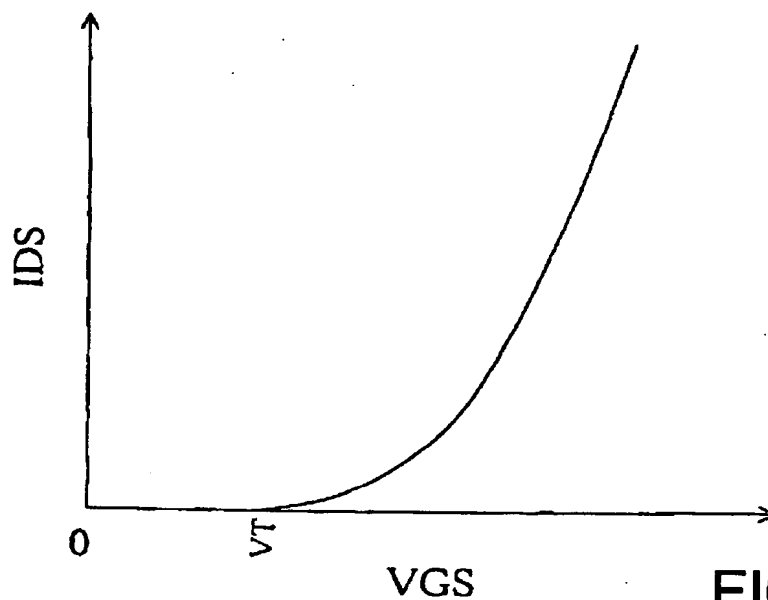
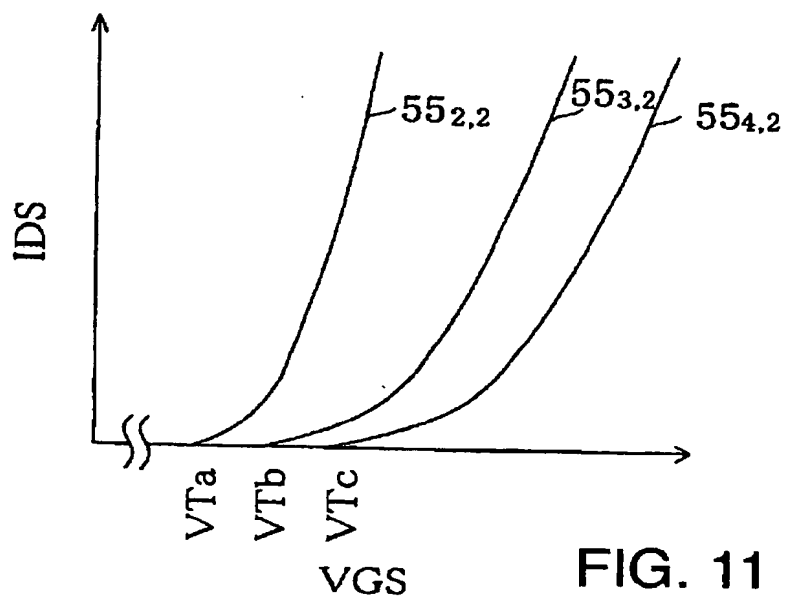
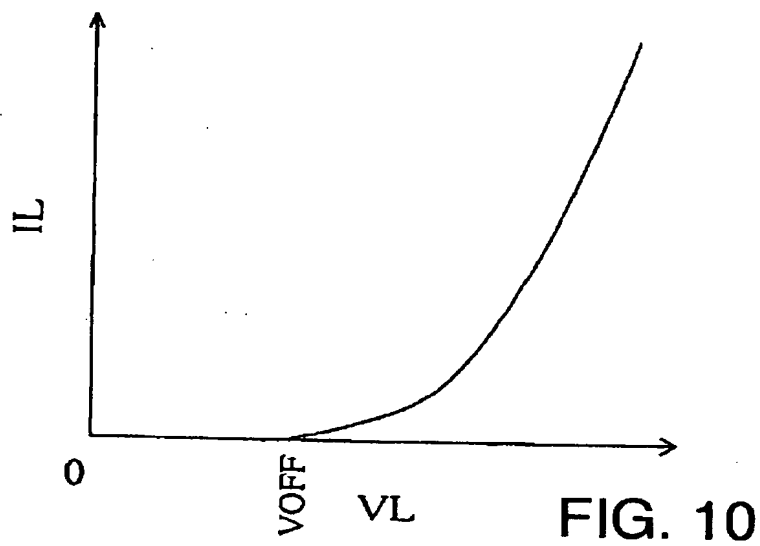


FIG. 9

10/506371



10/506371

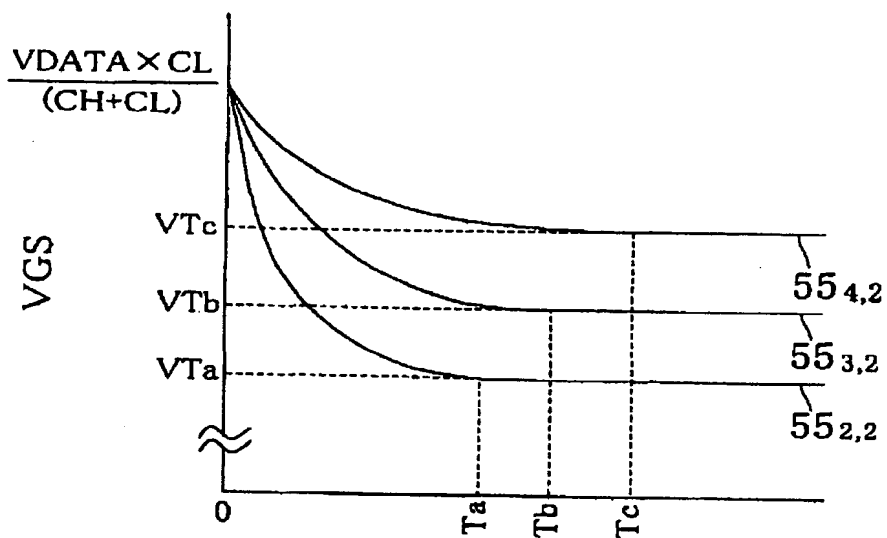
Time from start of input of signal voltage V_{DATA}

FIG. 12

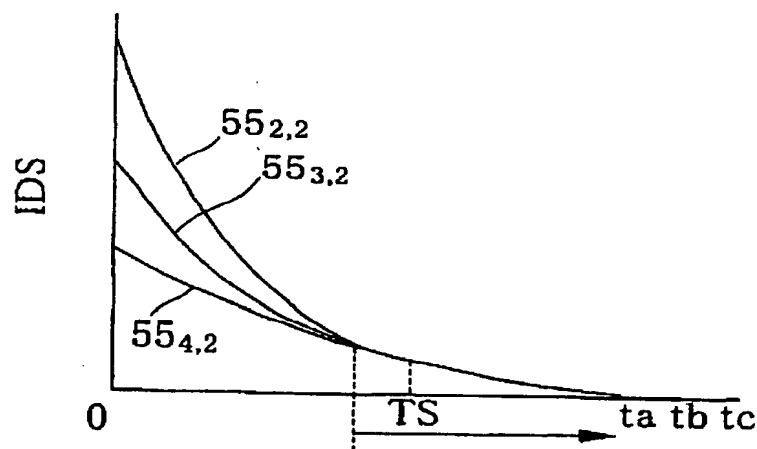
Time from start of input of signal voltage V_{DATA}

FIG. 13

10/506371

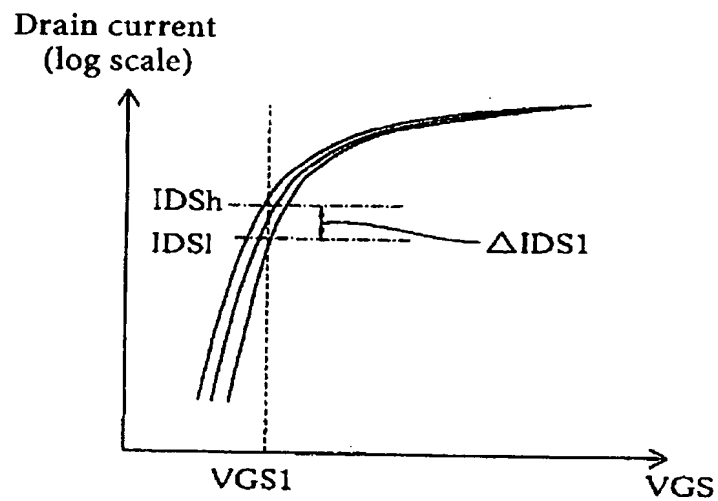


FIG. 14

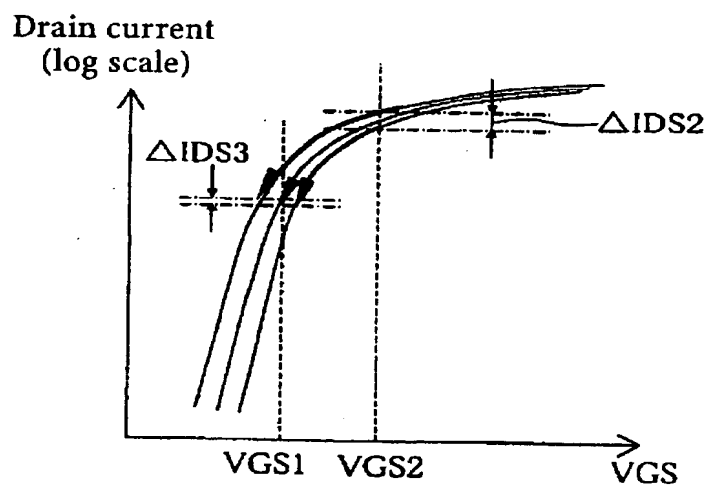


FIG. 15

10/506371

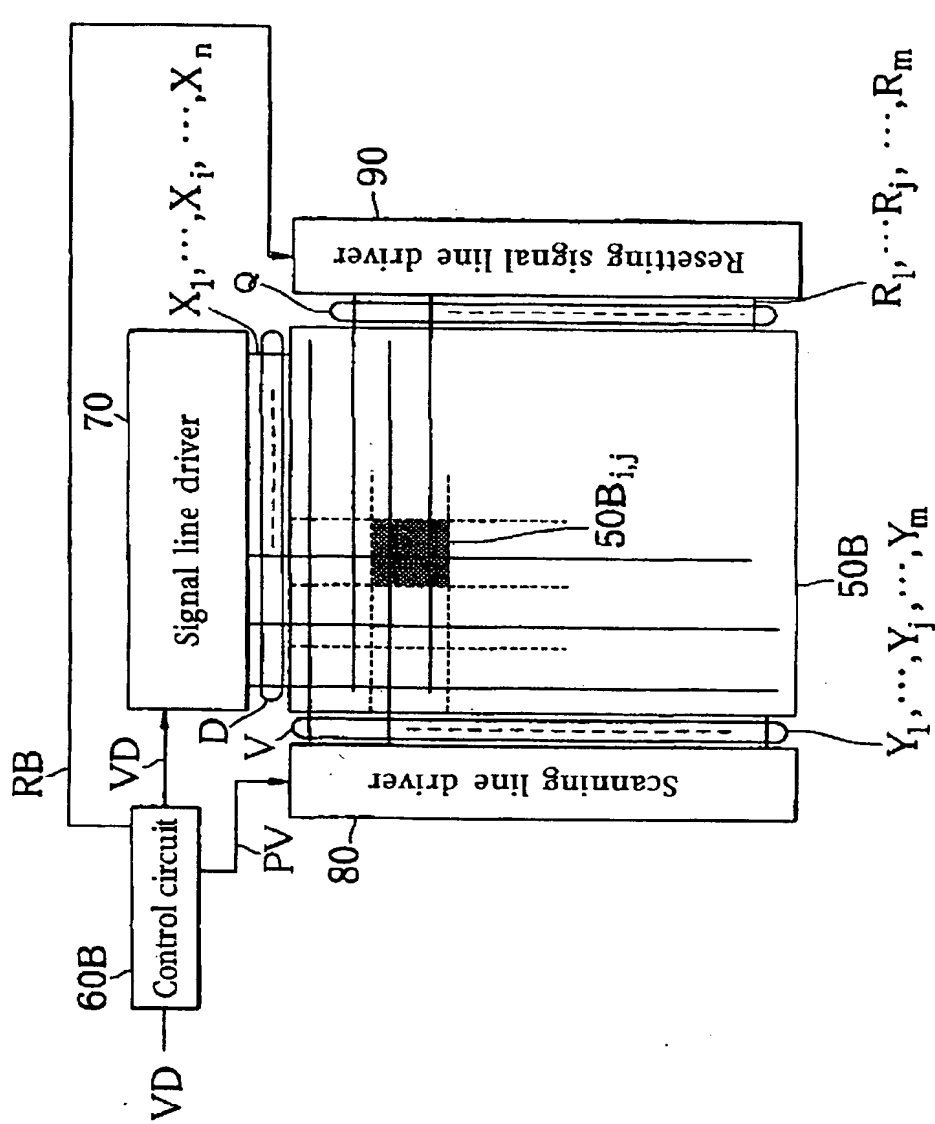


FIG. 16

10/506371

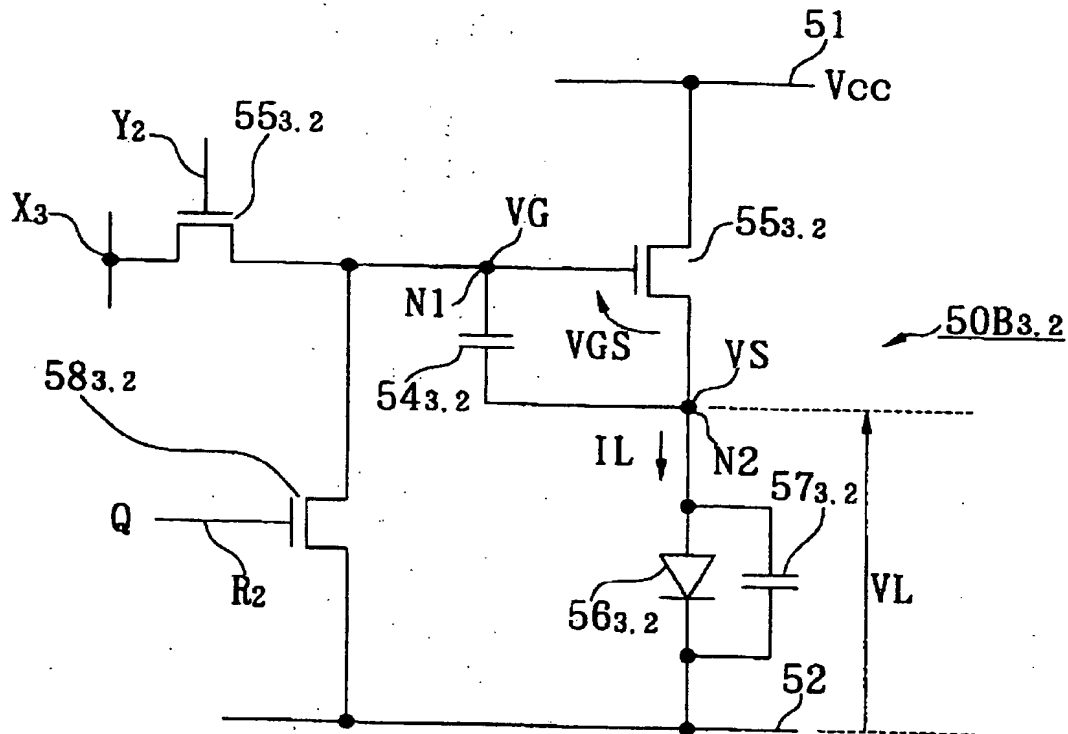


FIG. 17

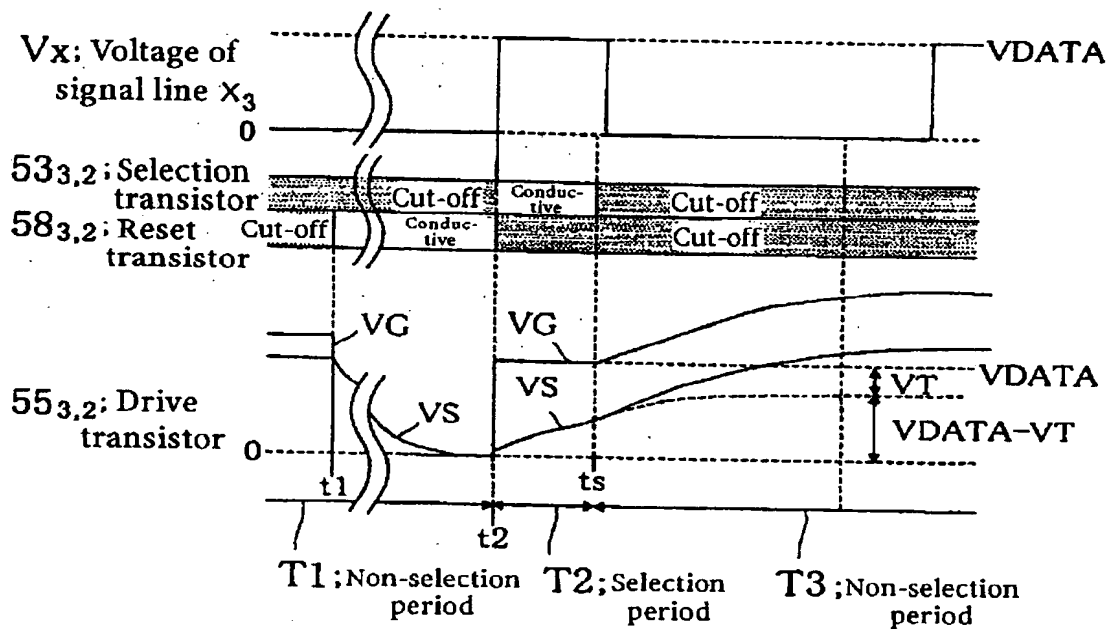


FIG. 18

10/506371

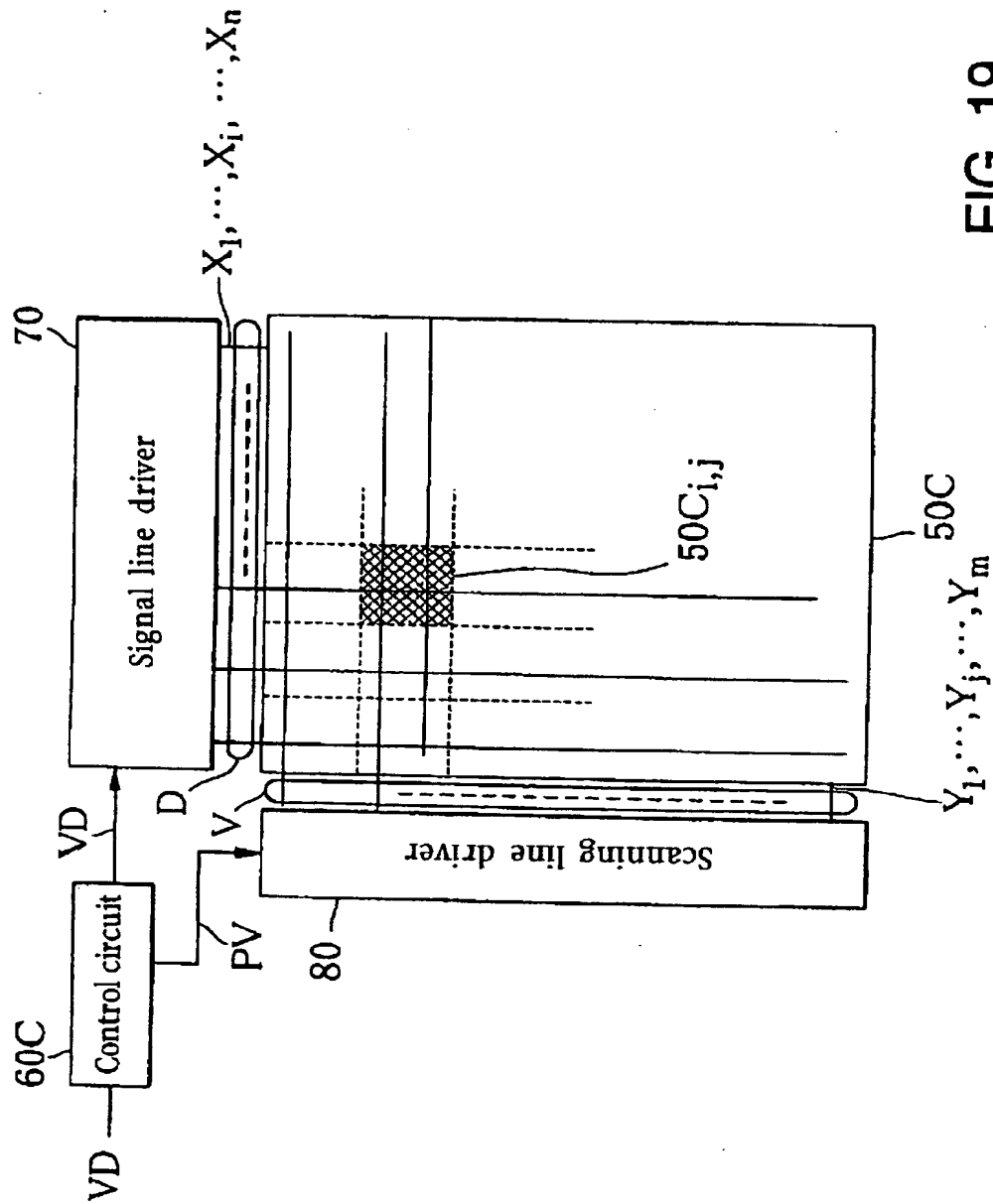


FIG. 19

10/506371

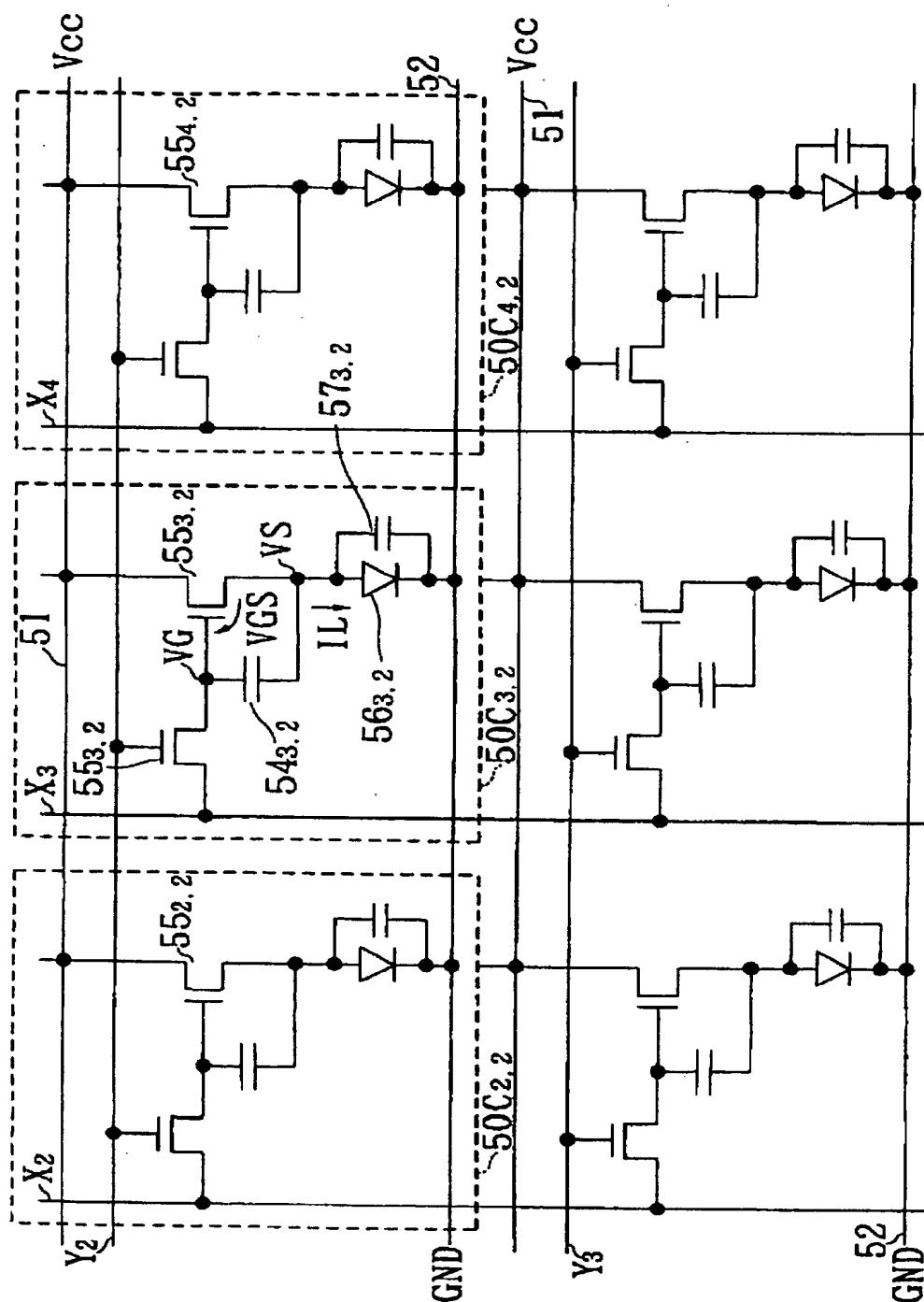


FIG. 20

10/506371

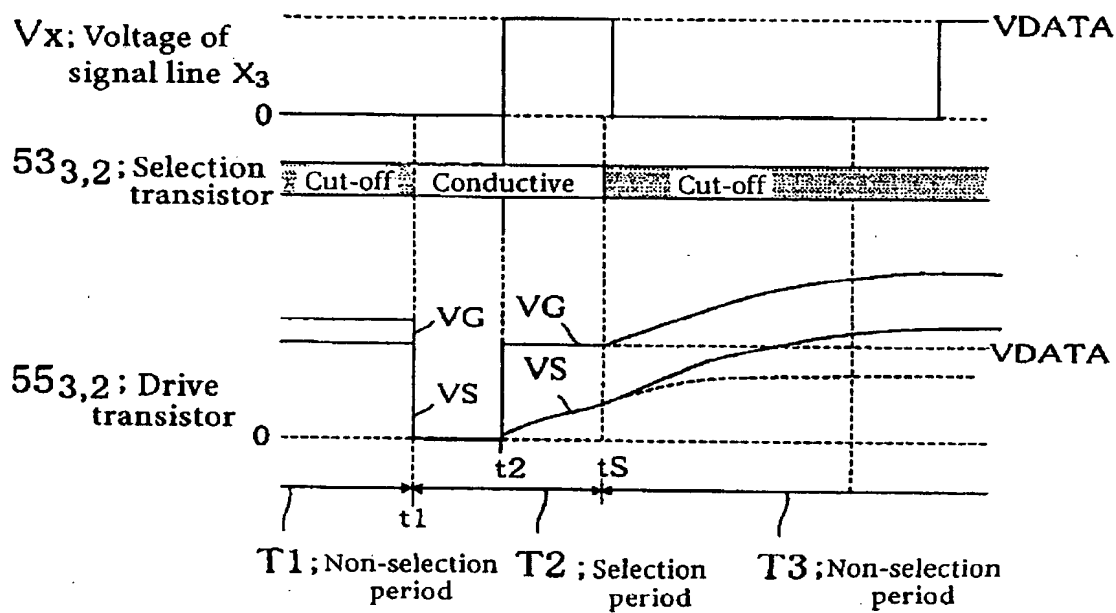


FIG. 21

10/506371

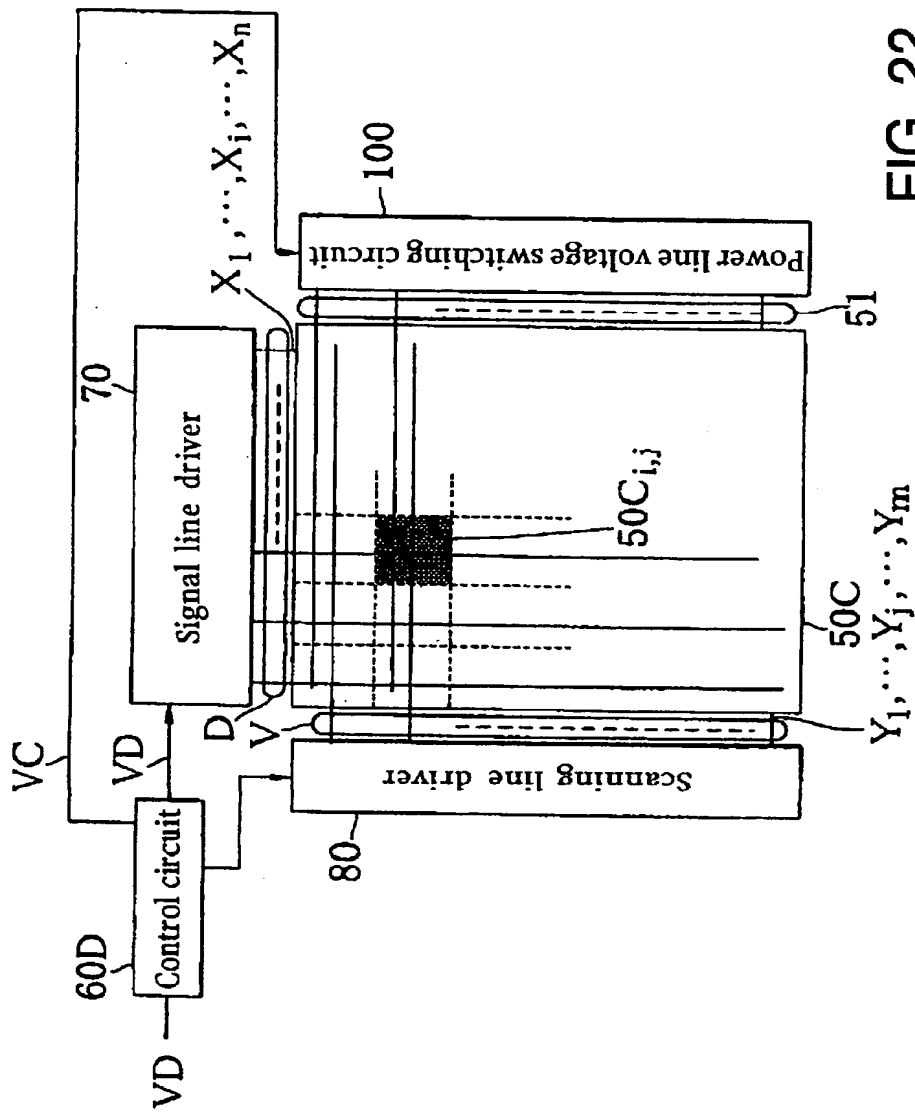
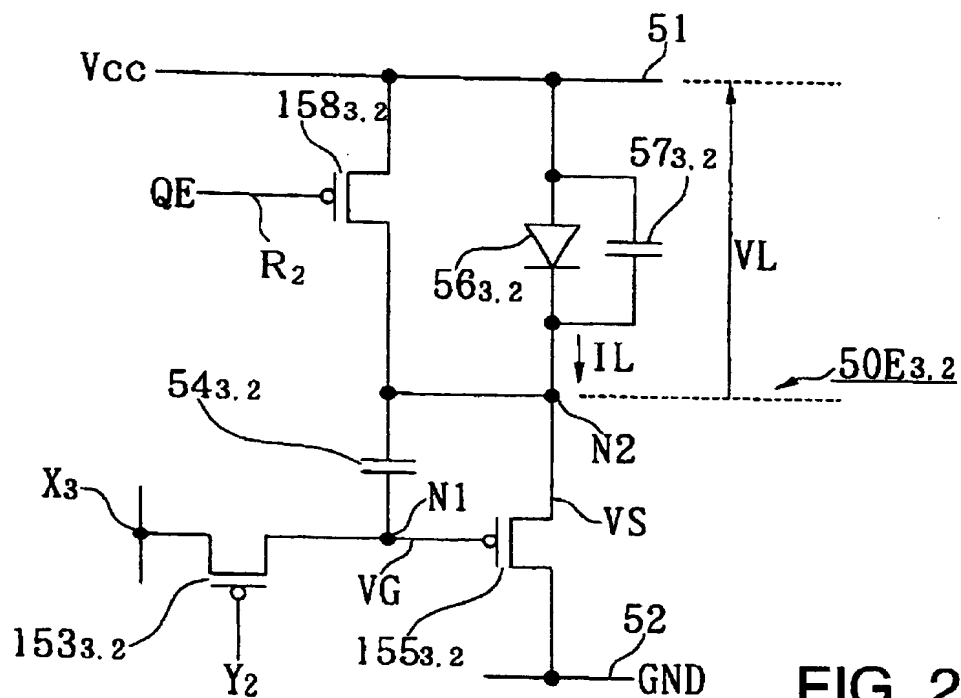
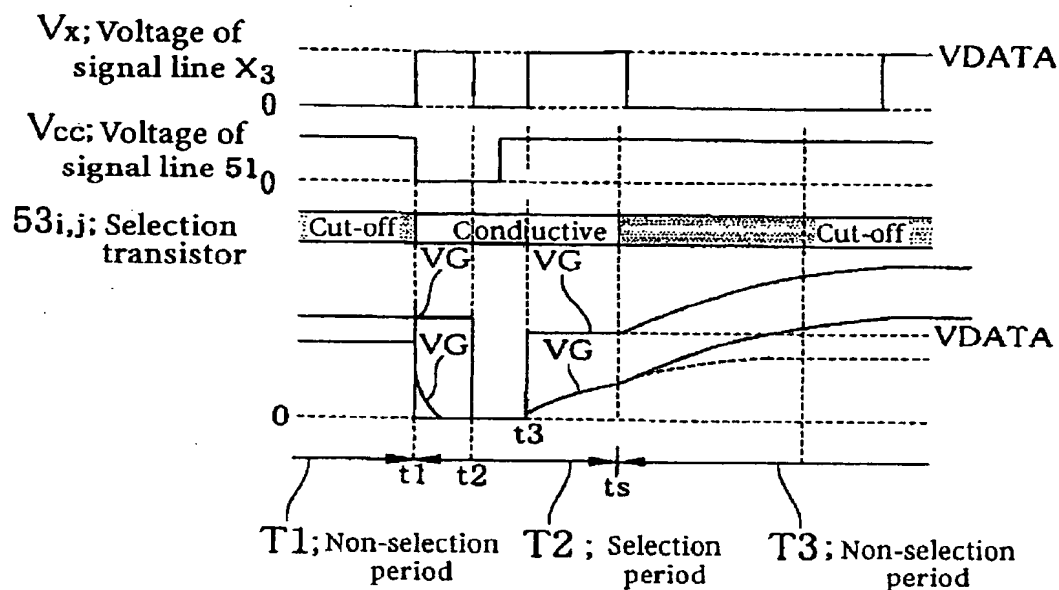
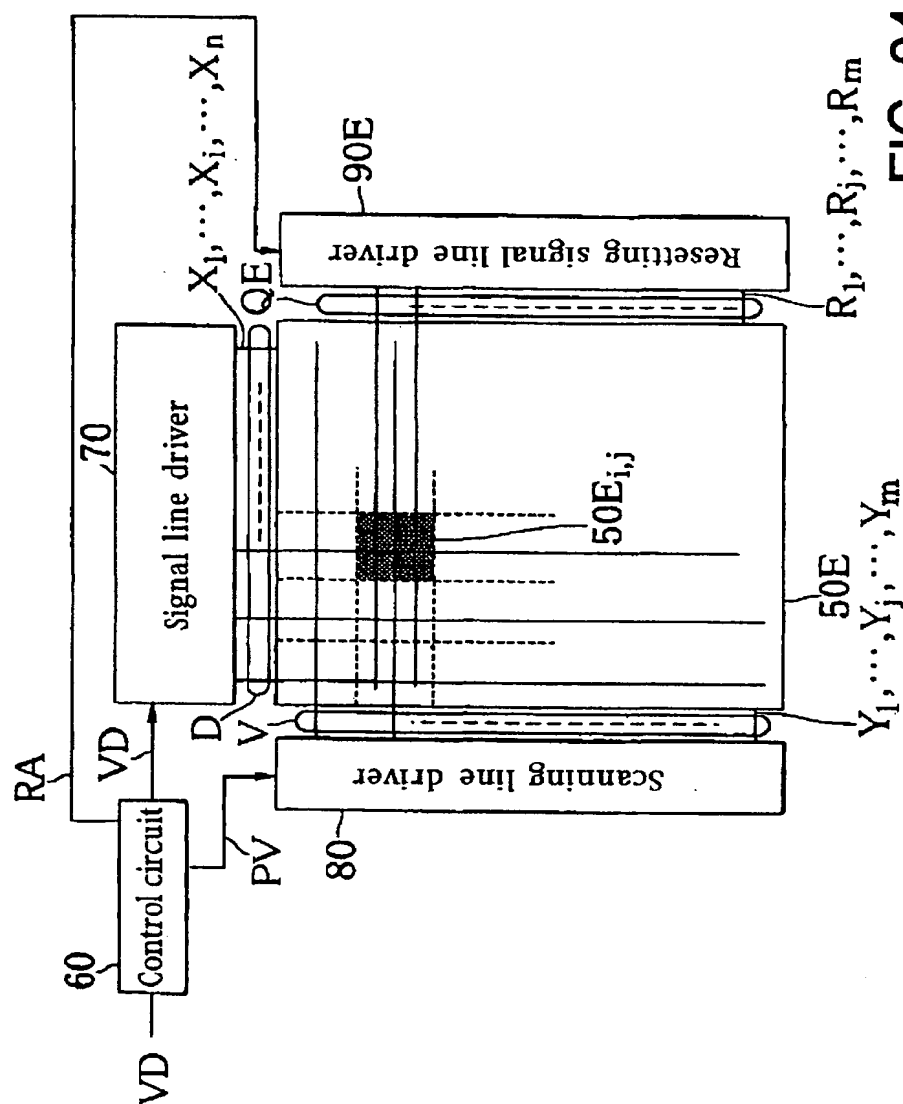


FIG. 22

10/506371



10/506371



10/506371

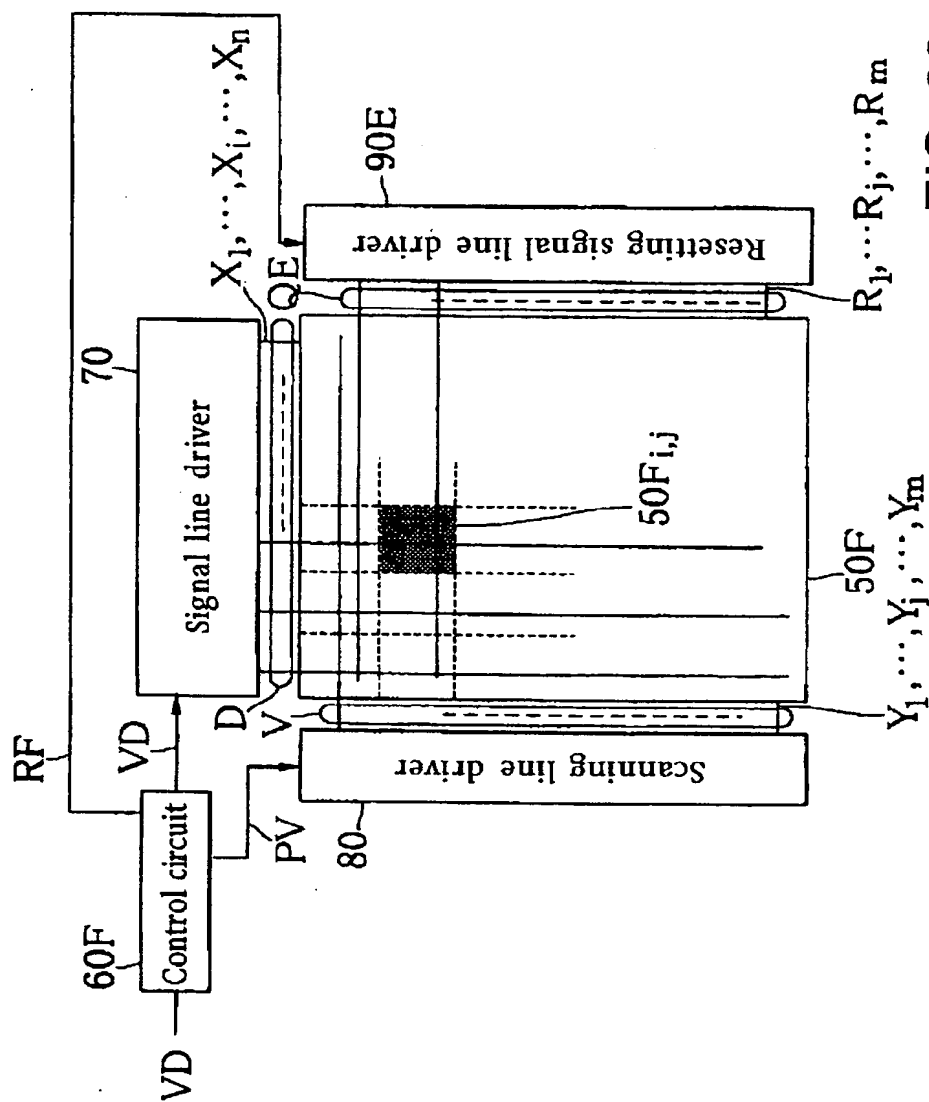


FIG. 26

FIG. 27



10/506371

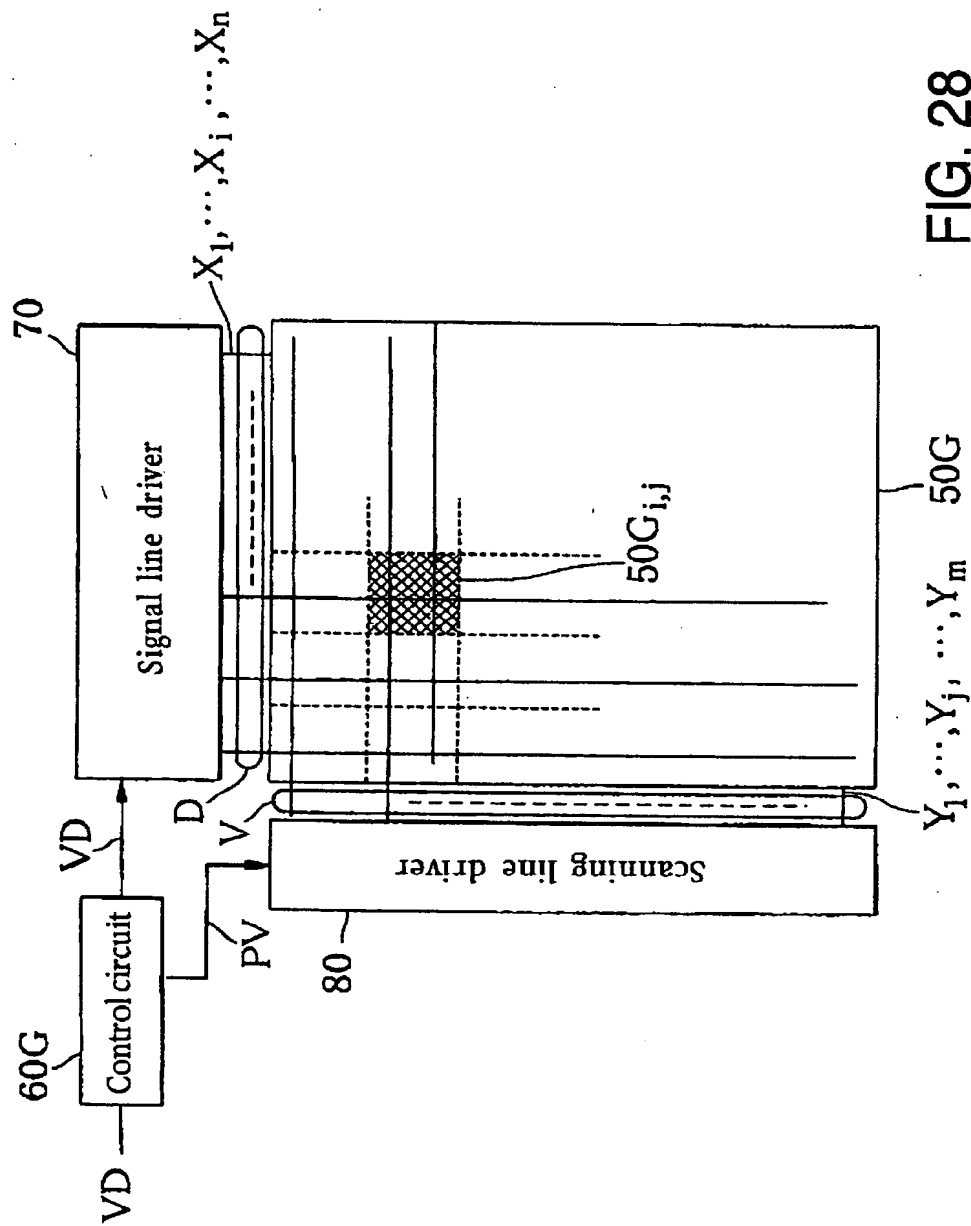


FIG. 28

10/506371

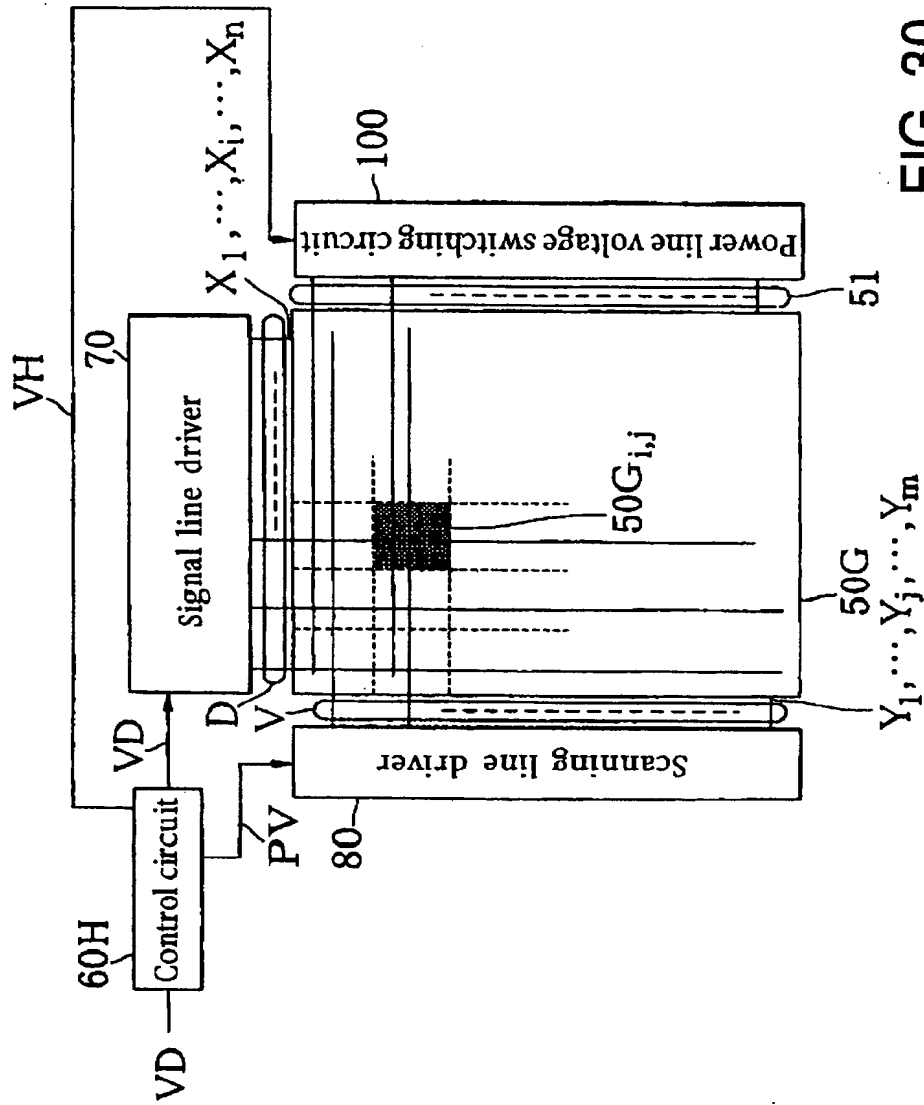
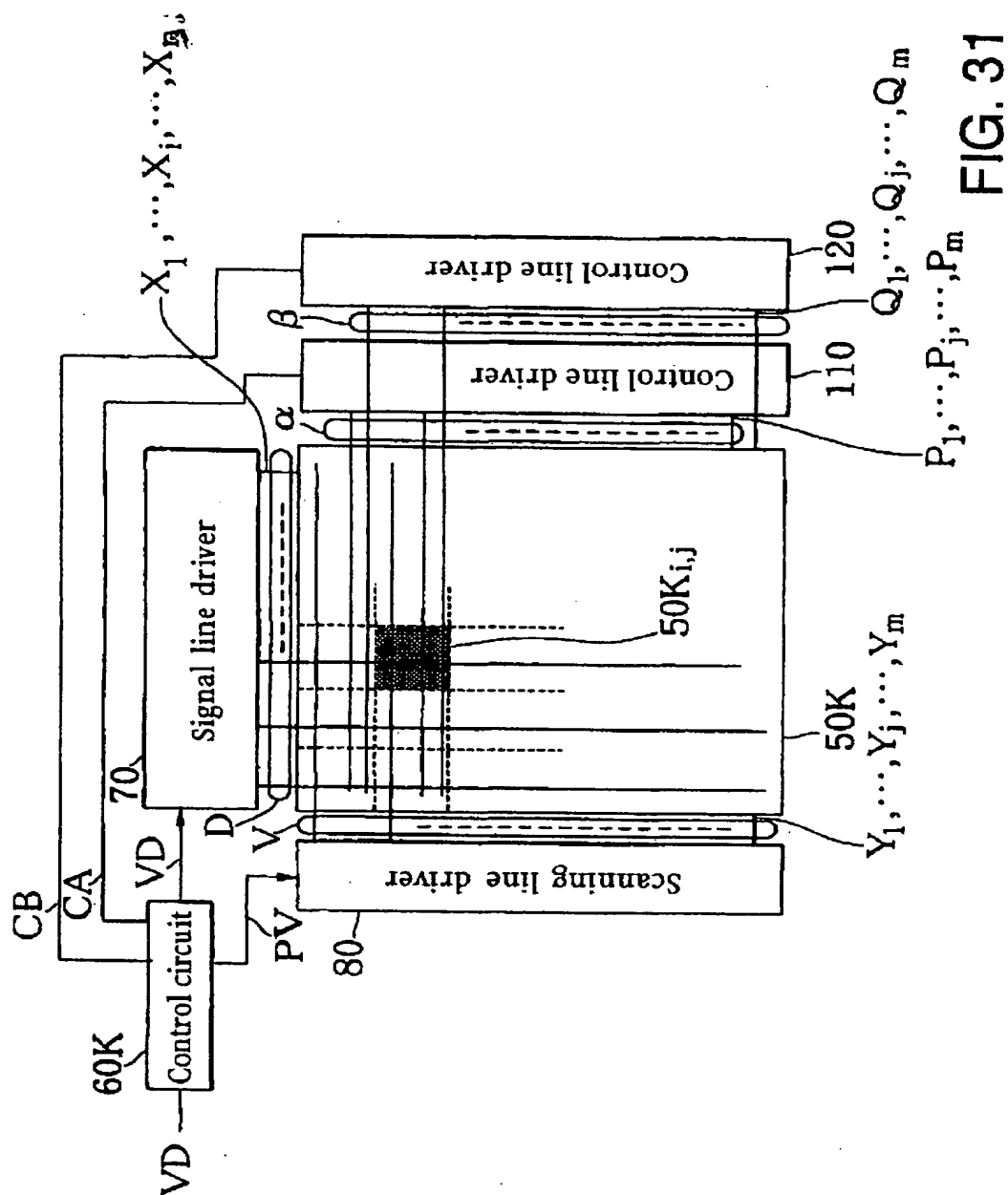


FIG. 30

10/506371



10/506371

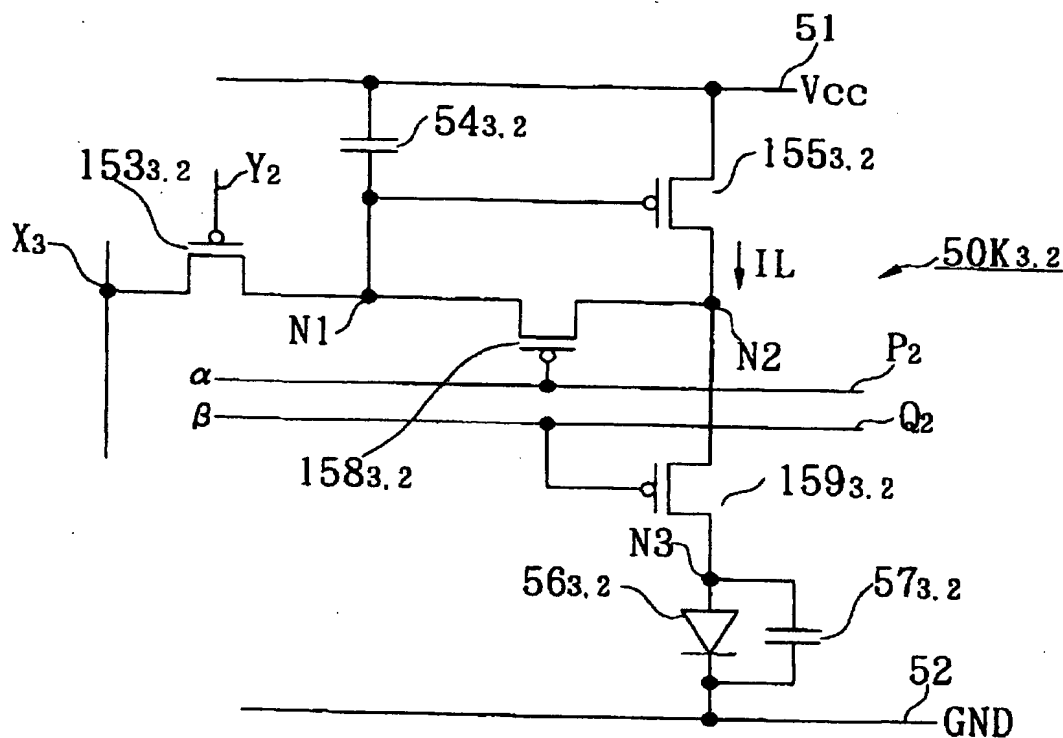
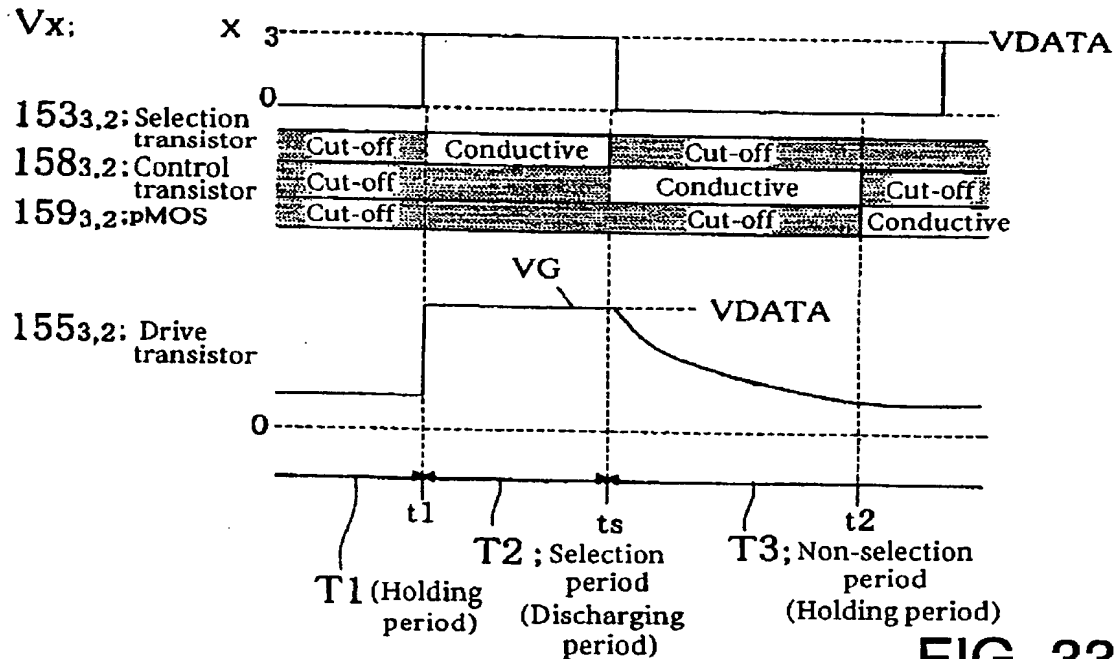
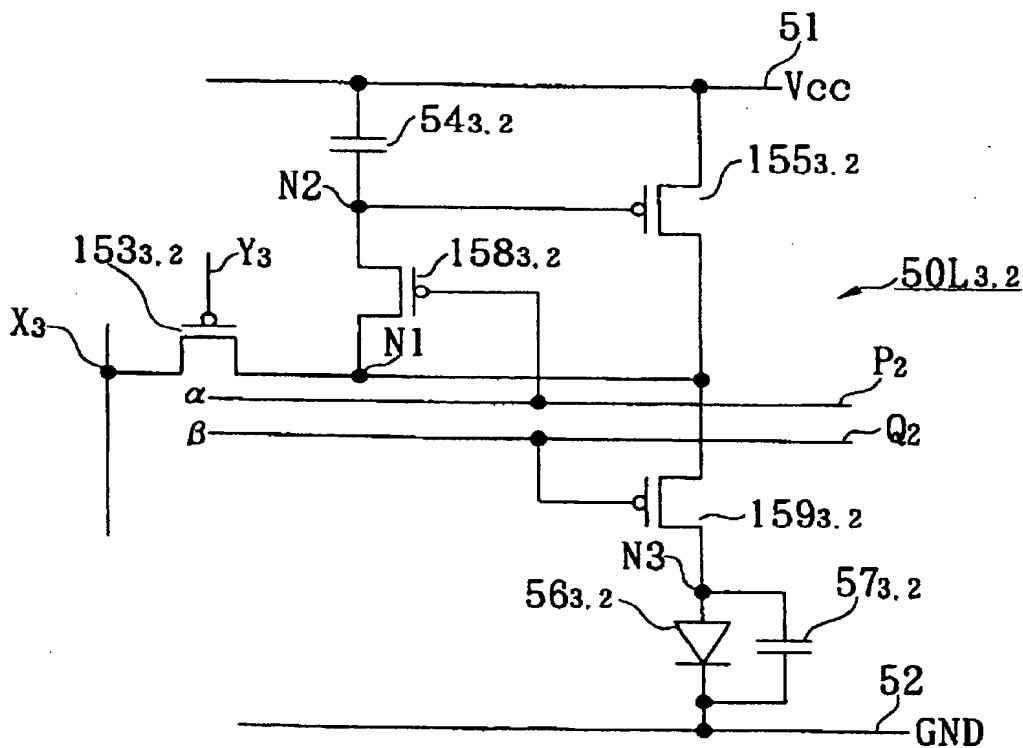
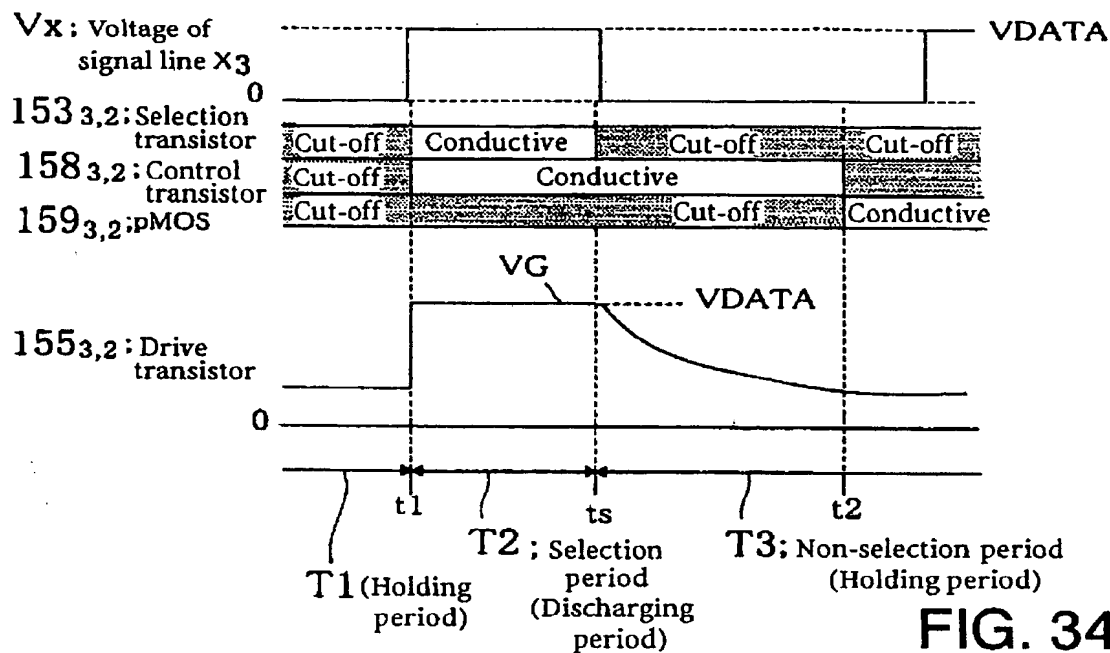


FIG. 32



10/506371



10/506371

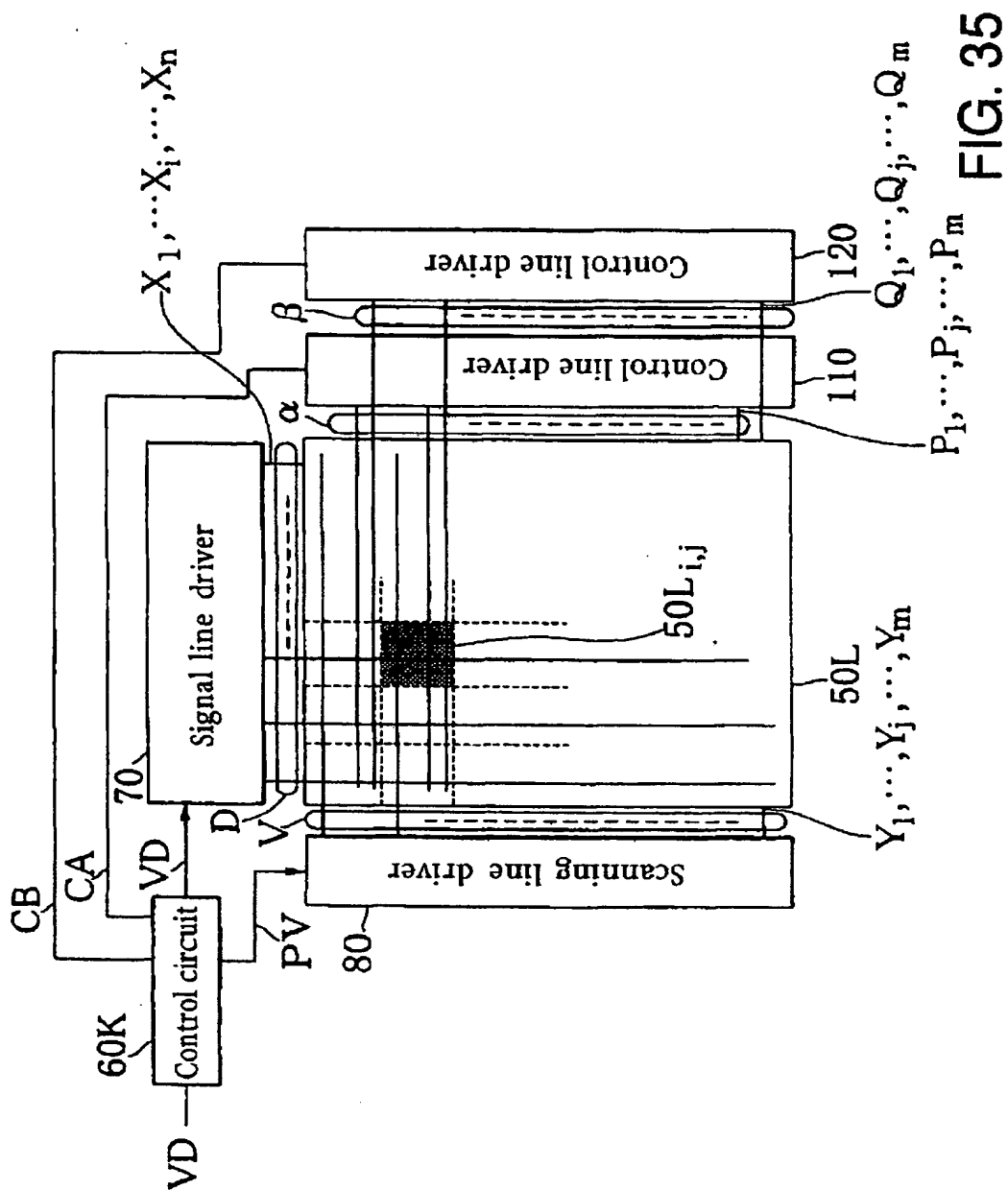
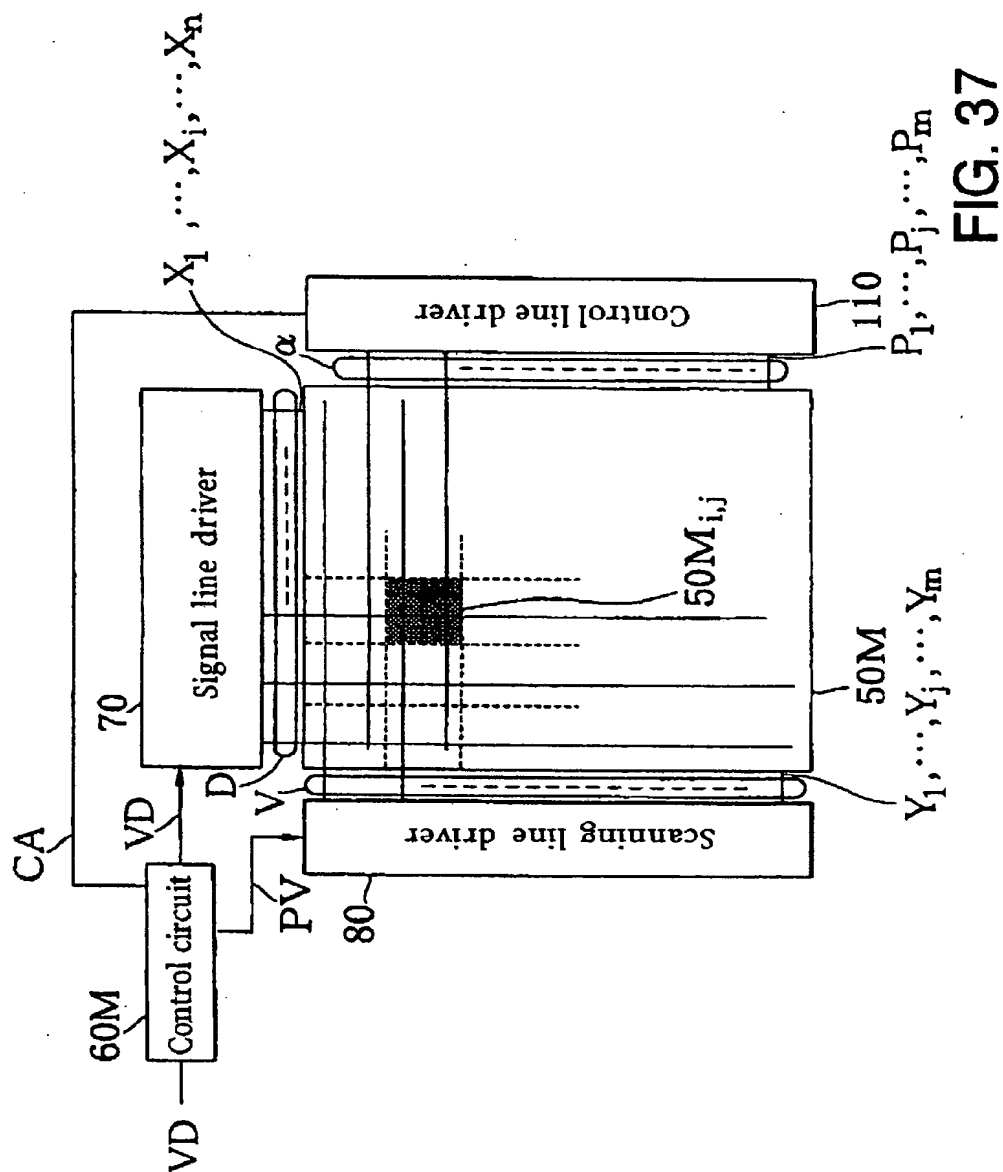
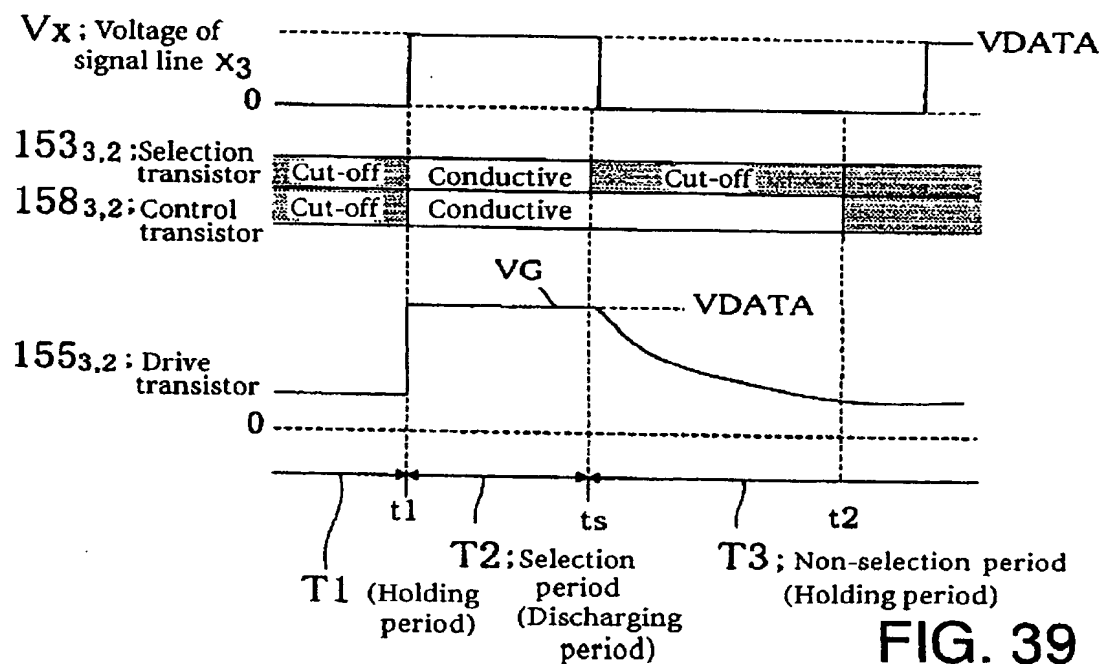
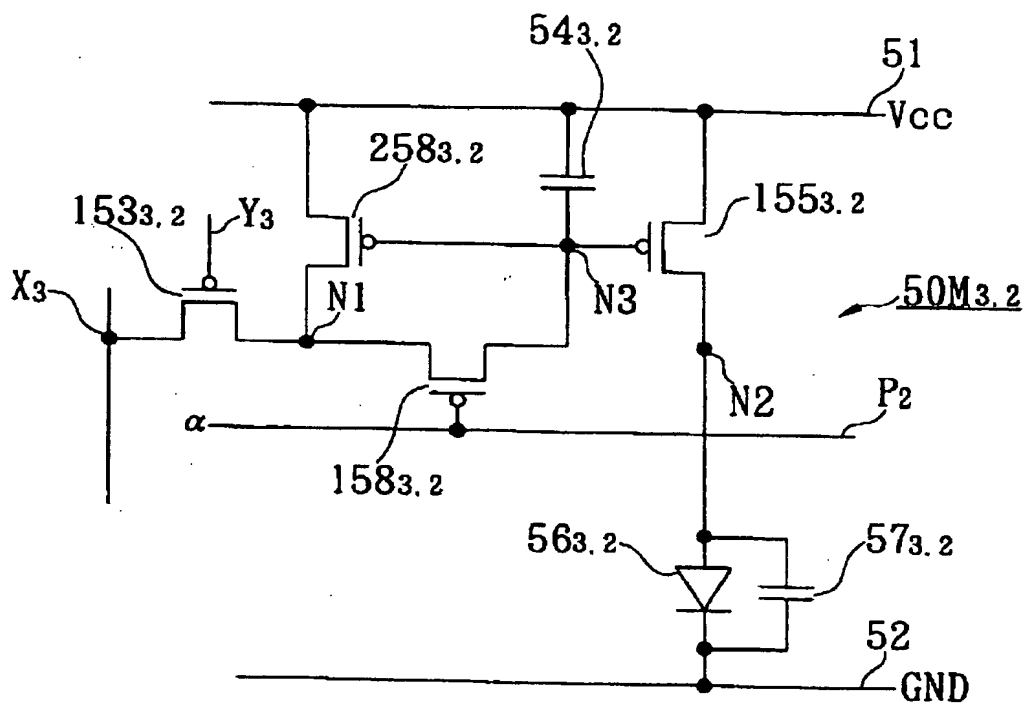


FIG. 35

10/506371



10/506371



10/506371

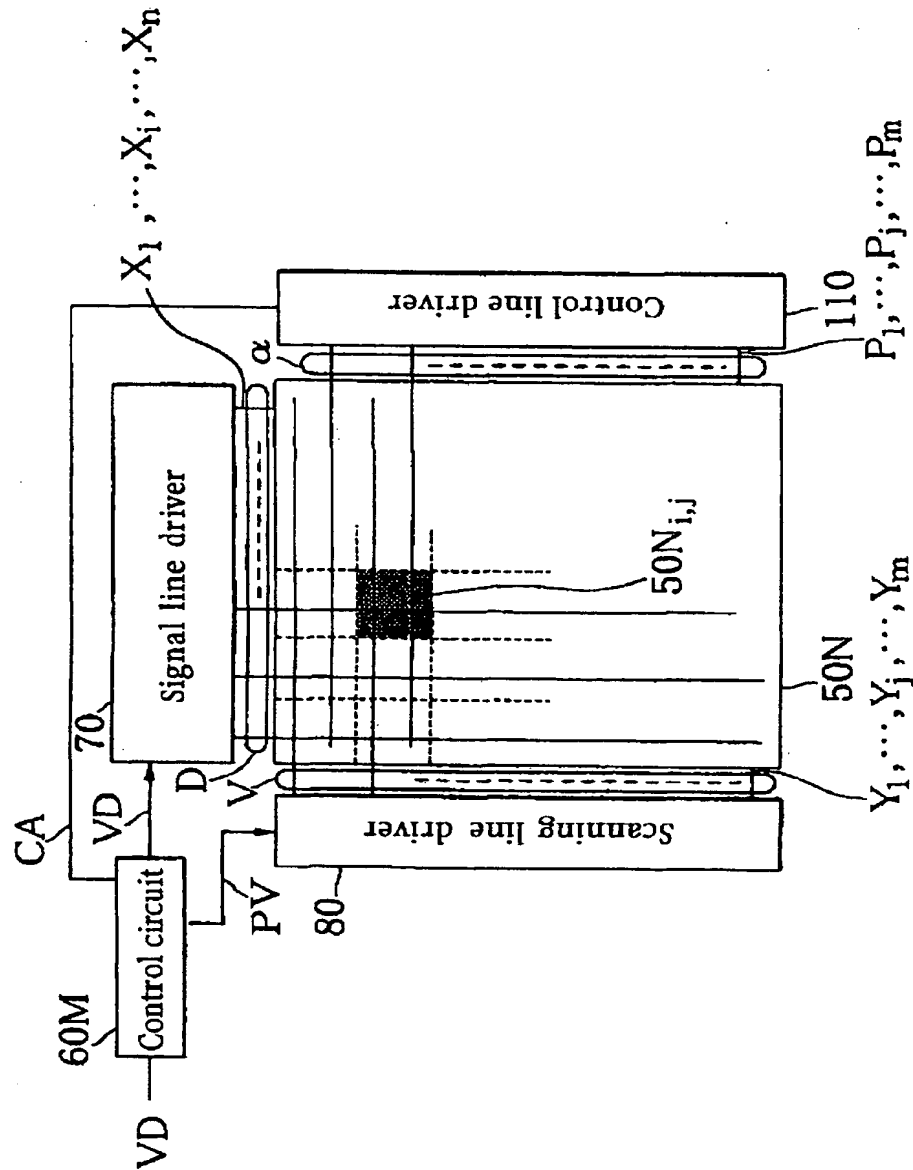


FIG. 40

FIG. 42

10/506371

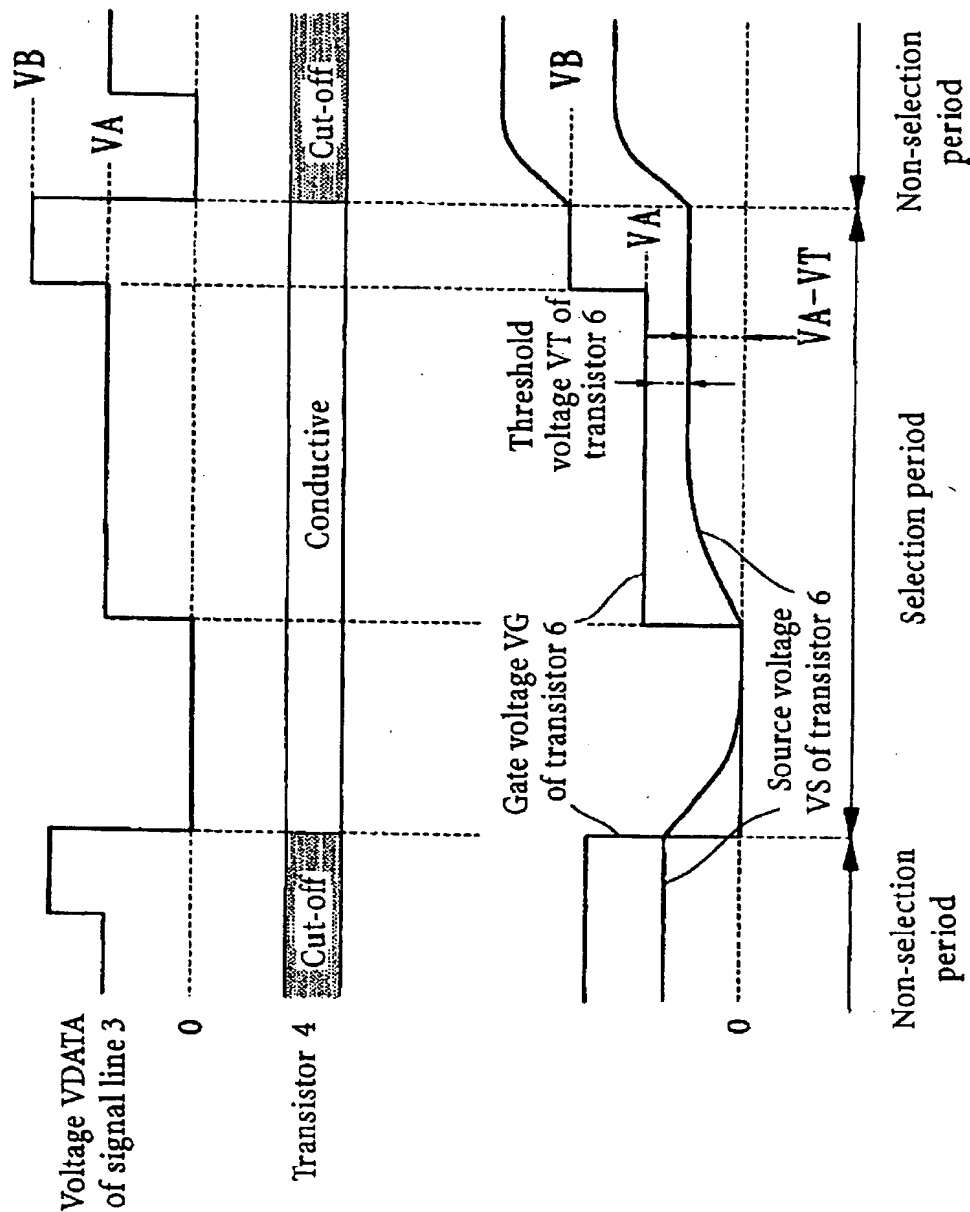
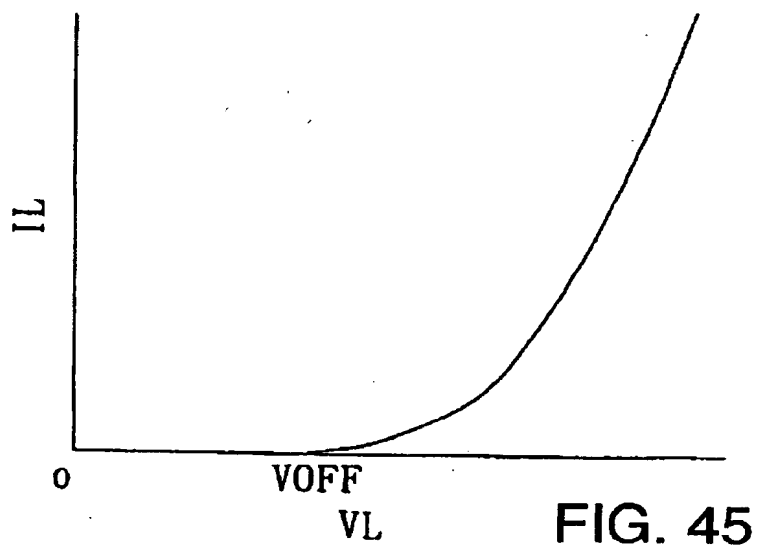
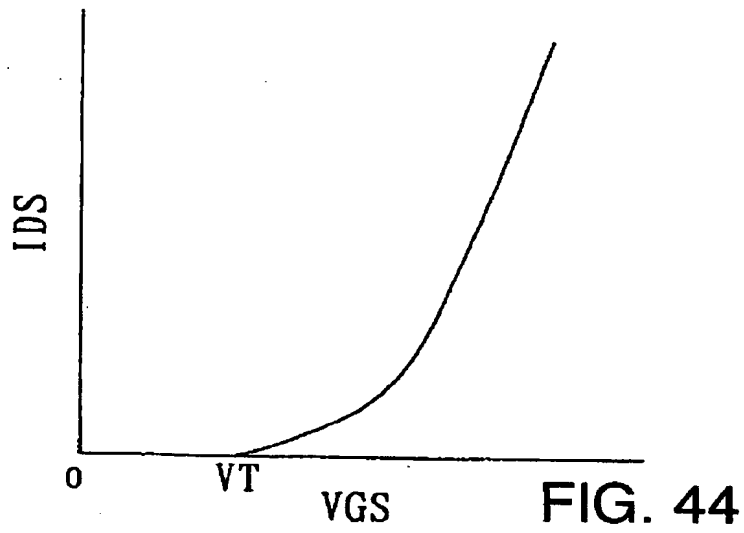
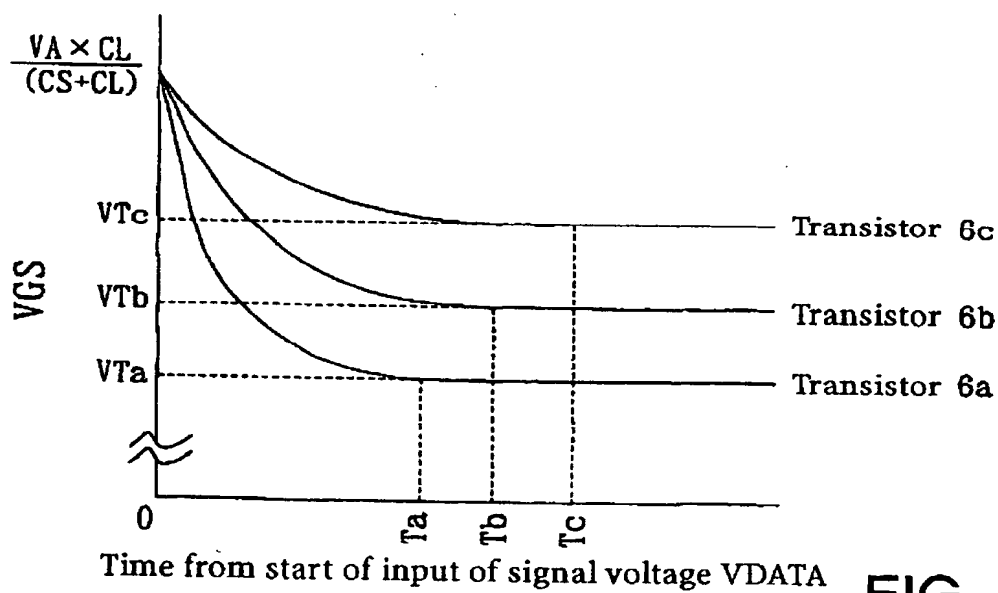
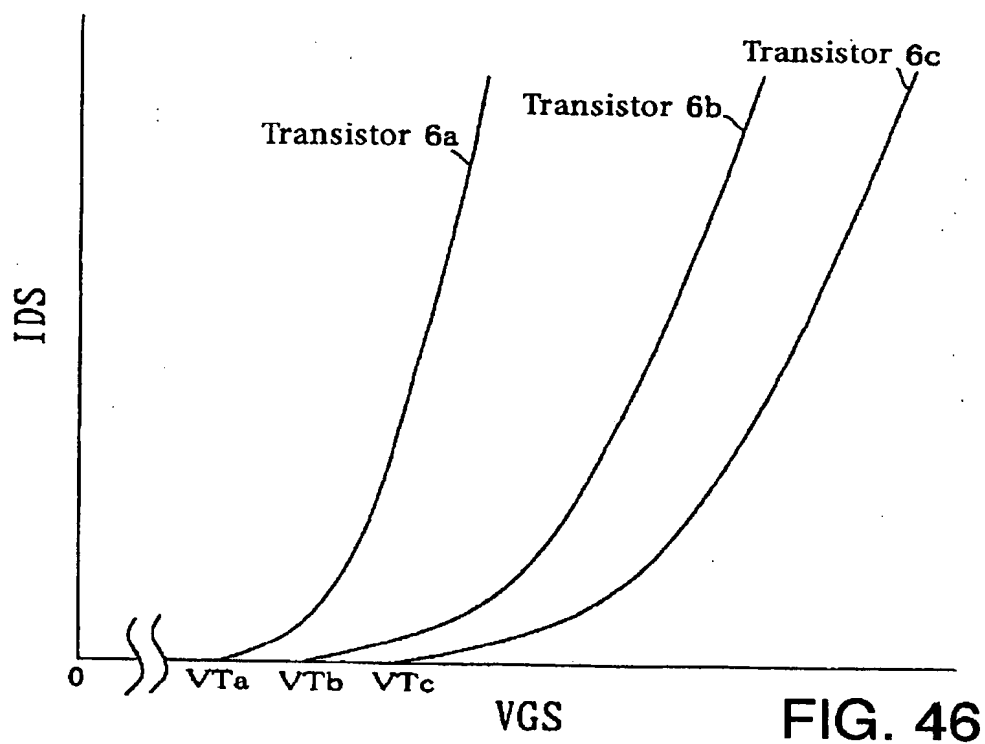


FIG. 43

10/506371



10/506371



10/506371

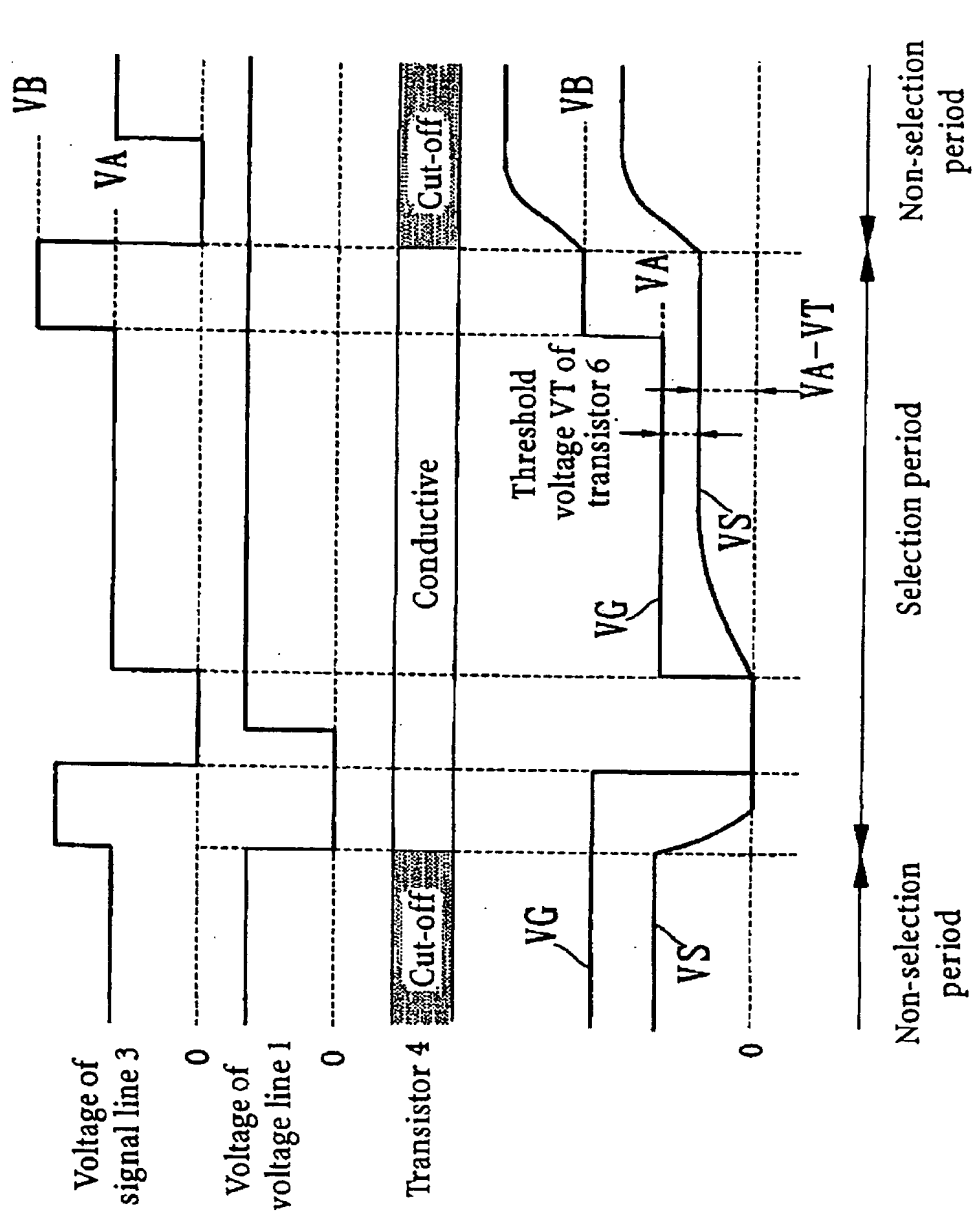


FIG. 48

10/506371

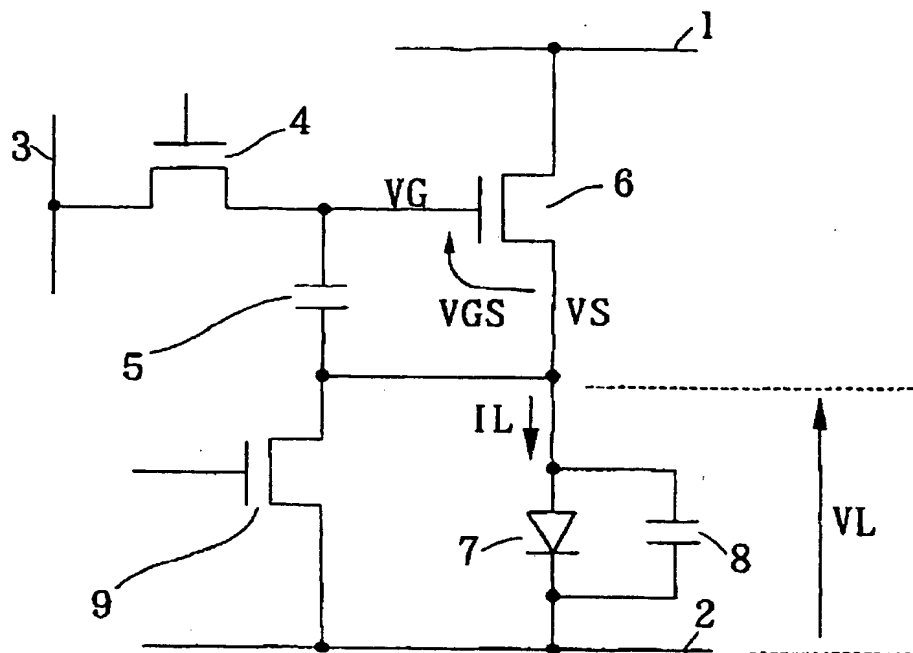


FIG. 49

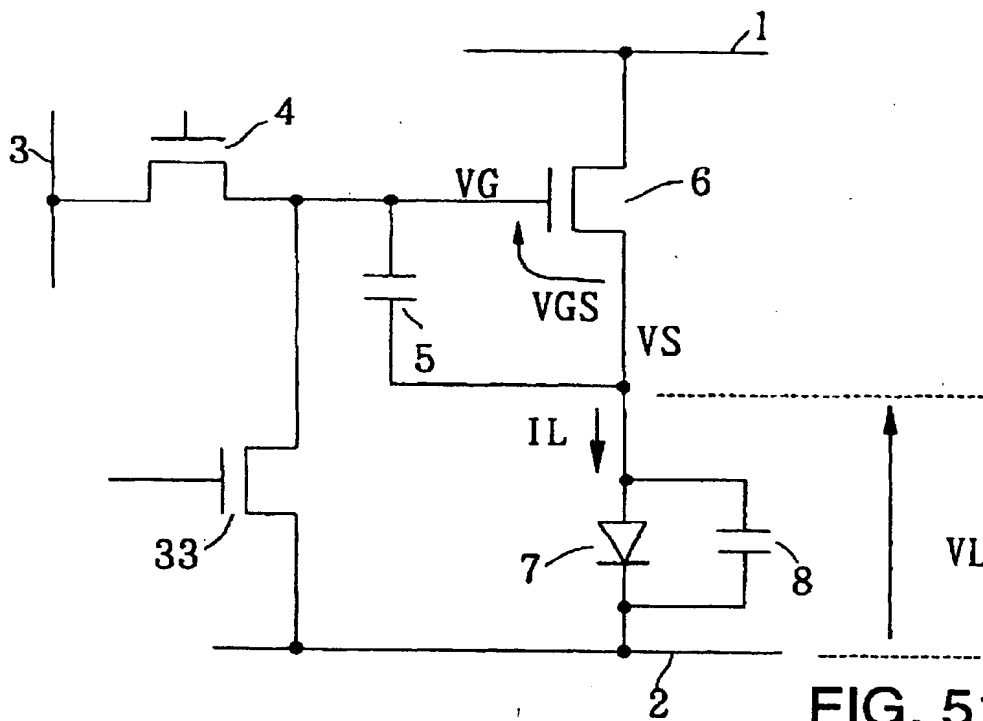


FIG. 51

10/506371

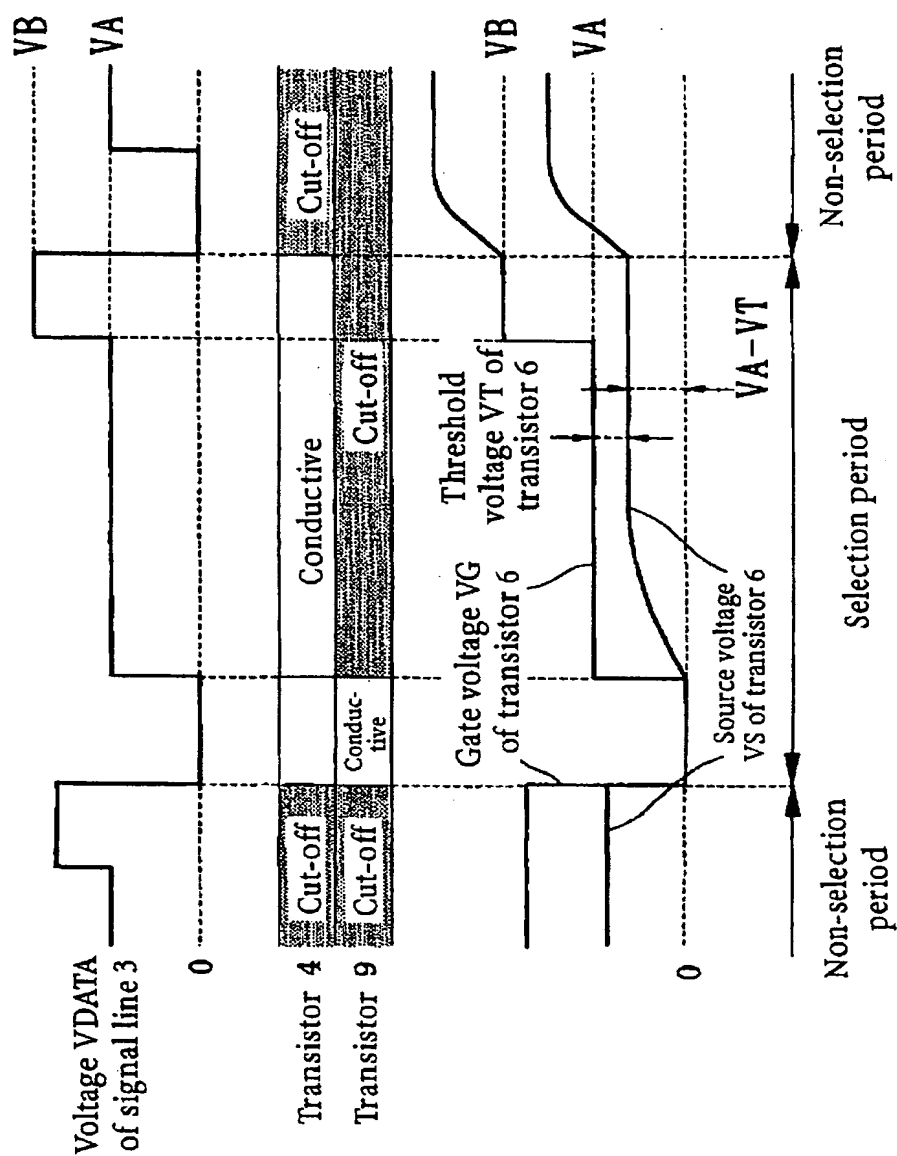


FIG. 50

10/506371

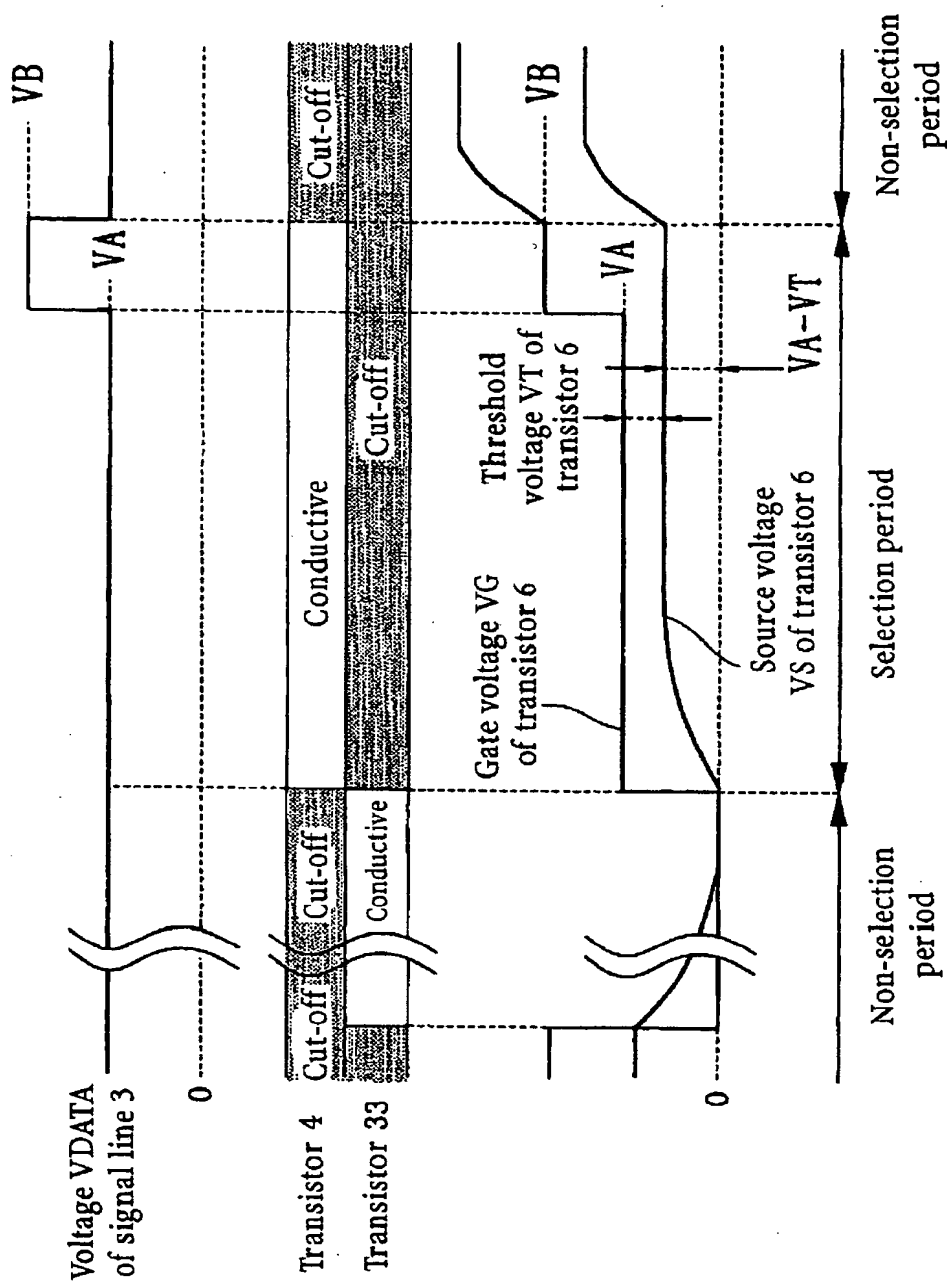


FIG. 52

10/506371

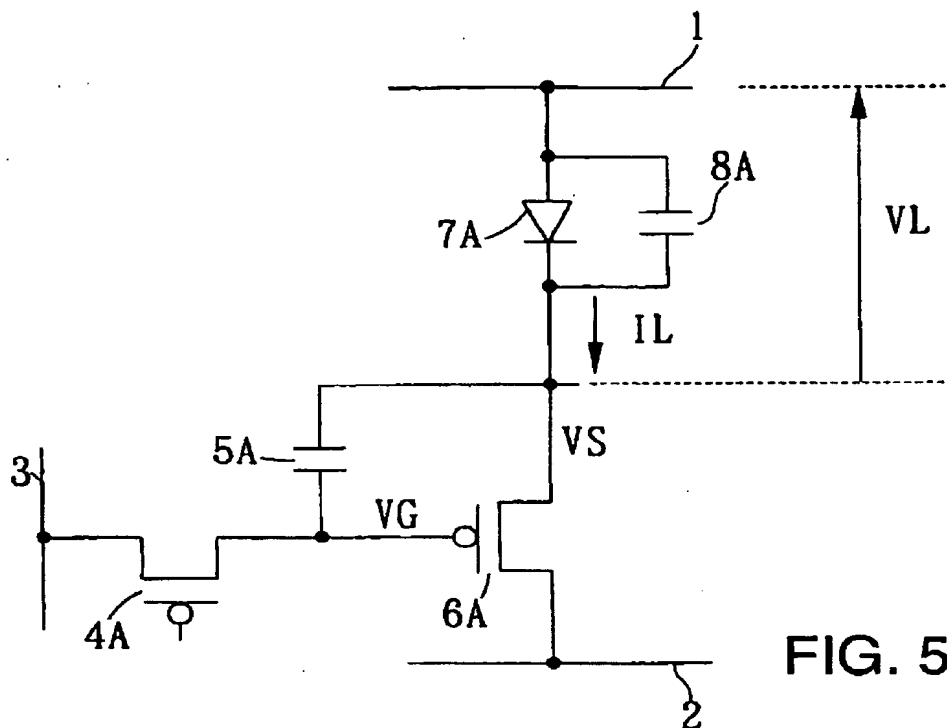


FIG. 53

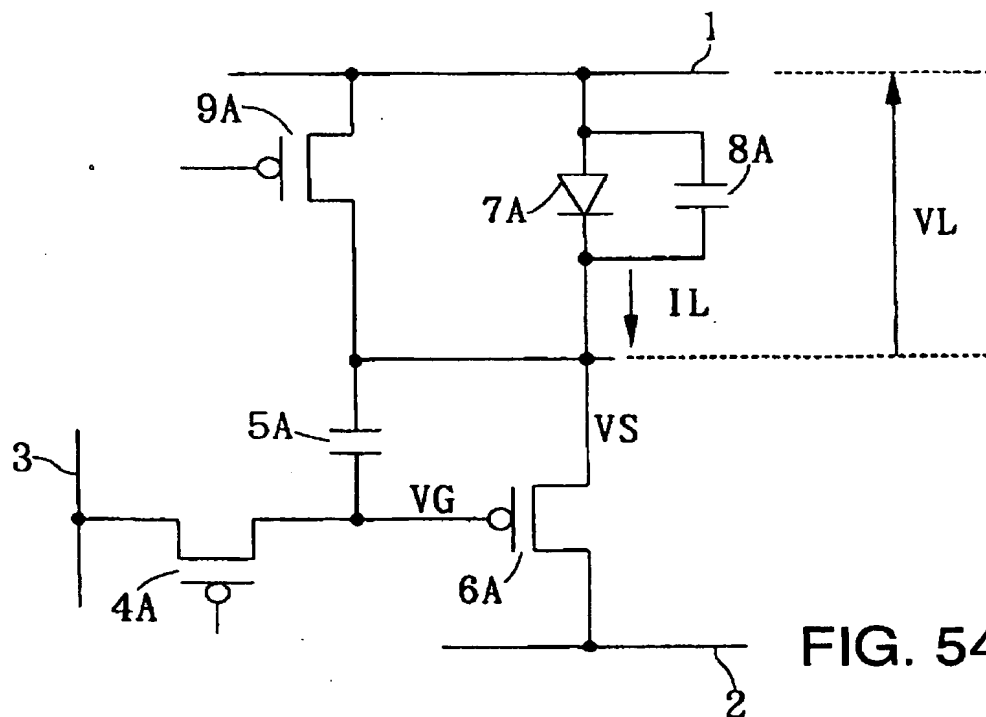


FIG. 54

10/506371

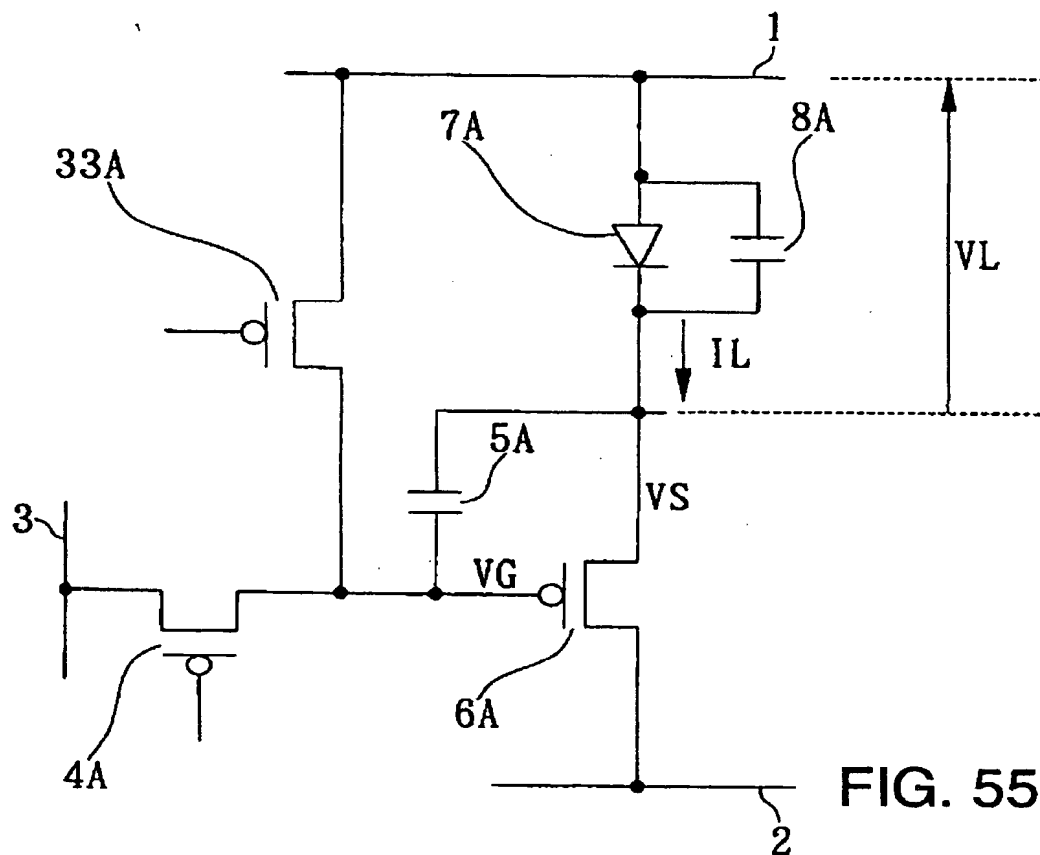


FIG. 55

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.